

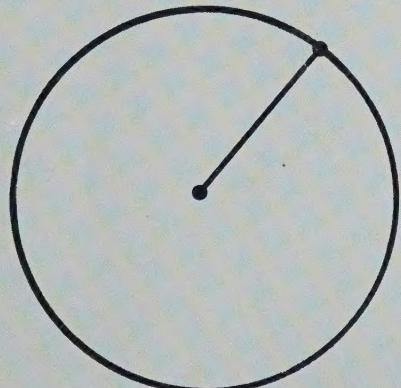
# starting points in mathematics

# 4

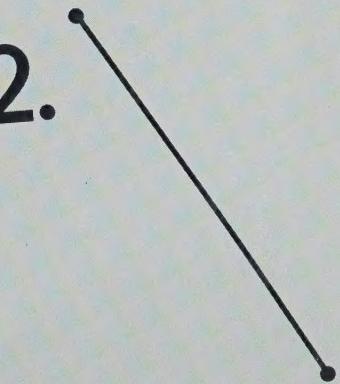
## tests with answer keys

From the list, choose the one idea  
best matches each picture.

1.



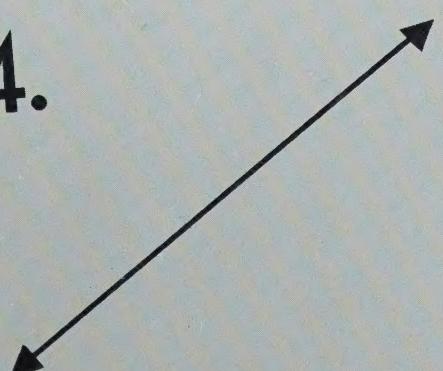
2.



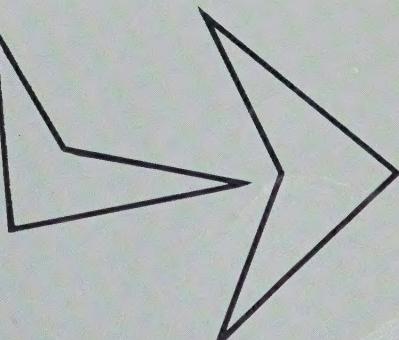
3.

6.

4.



5.



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tests

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Tests with Answer Keys for

starting points  
in mathematics

Level 4

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## To the Teacher

This book is designed for use with *Starting Points in Mathematics 4 Revised*.

## Pretest

This test may be given at the beginning of the school year to identify topics presented in the text that do not need to be studied by some students.

For each student, examine the error pattern for each topic.

Addition/Subtraction	Exercises 4 to 15
Students who receive less than perfect scores should be taught the addition and subtraction units, Unit 2 and Unit 3. Students who receive perfect scores should work on appropriate enrichment and problem-solving tasks with review of addition and subtraction while the others work in Unit 2 and Unit 3.	
Multiplication	Exercises 16 to 18
Division	Exercises 19 to 21
Numeration/Decimals/Fractions	Exercises 1 to 3, 22 to 27
Measurement	Exercises 28 to 36
Geometry	Exercises 37 to 48
Word Problems	Exercises 49 to 51

All students should be taught the related units. Students who receive perfect scores on any topic may act as assistants and be allowed to spend more time on related enrichment and problem-solving activities.

## Unit Tests

There are two tests presented for each unit in the student text. *Test A* is parallel in structure to the *Checking Up* in the student text. *Test B* is a multiple-choice test.

Upon completion of a unit, you have the option of using one of *Checking Up*, *Test A*, *Test B*, or your own test as a final review, and another as a test.

For each student, examine the error pattern. Compare it with the page reference given in parentheses on the answer key. When a student exhibits two or more errors for material related to any particular page, he or she should be provided with the corresponding workbook section or reteaching master.

## Year-End Test

This test may be given at the end of the school year to evaluate student performance on mathematics skills presented during the year.

For each student, examine the error pattern for each topic.

Numeration/Decimals/Fractions	Exercises 1 to 15
Addition	Exercises 16, 20, 22, 26, 28, 32
Subtraction	Exercises 17, 21, 24, 27, 31, 33
Multiplication	Exercises 18, 23, 30
Division	Exercises 19, 25, 29
Measurement	Exercises 34 to 42
Geometry	Exercises 43 to 60
Word Problems	Exercises 61 to 66
If a student has errors in either addition, subtraction, or multiplication, he or she may not have yet mastered the operation. Errors in division are less significant as the division operation will be thoroughly developed in <i>Starting Points in Mathematics 5</i> . Results of the year-end test should be kept in the student's file for the grade 5 teacher.	

## Answer Key

The tests are designed for students to show their answers on the right of the test page. This is to facilitate marking using the answer key. For exercises involving calculations, have the students do their work at the end of the test or on another page. Instruct students to transfer their final answers to the spaces at the right.

To mark a test, place the student's test beside the appropriate answer key so that the student's responses align with the answers shown on the key. Compare each student response with the answer. Assign a mark to each correct response. Use the conversion chart to convert the student's total marks out of the total possible marks to a percent.

## CONVERSION CHART

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[https://archive.org/details/startingspointsin04born\\_3](https://archive.org/details/startingspointsin04born_3)

**PRETEST**

1. c
2. d
3. a
4. b
5. d
6. c
7. a
8. d
9. a
10. a
11. b
12. c
13. c
14. a
15. a
16. c
17. b
18. d
19. b
20. d
21. c
22. c
23. d
24. c
25. c
26. d
27. a
28. d
29. a
30. b
31. a
32. a
33. c
34. a
35. b
36. b
37. a

**UNIT 1 TEST A**

38. b
39. c
40. c
41. b
42. a
43. a
44. c
45. b
46. a
47. b
48. d
49. d
50. d
51. c
1. O tens (6)
2. 4 ten (18)  
thousands
3. 316 028 (18)
4. 4901 (6)
5. 83 950 (18)
6. 74 (22)
7. 20 000 + (18)  
100 + 70 + 3
8. 6000 + 10 (8)  
+ 6
9. ten (18)  
thousand  
forty
10. two (18)  
hundred  
eight  
thousand
11. < (12)
12. < (20)
13. 99 900 (20)  
99 099  
90 990
14. 14 580 (14)
15. 14 500 (14)
16. 14 000 (14)
17. 51 ½ (16)
18.  $\frac{3}{4}$  (24)
19.  $1\frac{2}{5}$  (24)  
 $\frac{3}{10}$
20. 10 (26)

**UNIT 1 TEST B**

1. d (18)
2. d (18)
3. c (18)
4. a (18)
5. a (20)
6. b (20)
7. b (14)
8. b (16)
9. c (24)
10. b (26)
11. b (28)
12. b (18)
13. c (18)
14. a (20)
15. d (16)
16. a (26)
17. b (18)
18. d (18)
19. c (20)
20. b (14)
21. b (24)
22. d (28)
23. a (18)
24. a (18)
25. d (14)
26. a (26)
27. c (22)
28. d (20)
29. a (28)
30. c (18)
31. c (20)
32. b (16)
33. d (24)

**UNIT 2 TEST A**

1. 97 (32)
2. 973 (32)
3. 71 (34)
4. 540 (34)
5. 934 (38)
6. \$2 757 (38)
7. 1 452 (40)
8. 9 031 (40)
9. \$2 114 (40)
10. 666 (44)
11. 8344 (44)
12. \$6 252 (44)
13. 2 500 (46)
14. \$7 000 (46)
15. 143 (34)
16. \$4 005 (40)
17. 191 (44)
18. 527 kg (38)

**UNIT 2 TEST B**

1. a (34)
2. c (34)
3. a (38)
4. c (38)
5. c (40)
6. b (40)
7. c (44)
8. d (34)
9. d (38)
10. b (38)
11. b (38)
12. b (38)
13. d (38)
14. d (40)
15. c (40)
16. d (44)
17. a (38)
18. b (38)
19. a (40)
20. b (40)
21. a (44)
22. b (46)
23. a (46)
24. a (46)
25. c (34)
26. c (48)
27. d (46)

**UNIT 3 TEST A**

1. 11 (52)
2. 3327 (52)
3. 44 (54)
4. 457 (54)
5. 75 (58)
6. 7593 (58)
7. \$707 (58)
8. 6 815 (58)
9. 337 (60)
10. 5 786 (60)
11. \$1 723 (60)
12. 2 465 (60)
13. 114 (64)
14. 2 935 (64)
15. \$2 084 (64)
16. 1 269 (64)
17. 3 940 (60)
18. 162 (71)
19. 8 174 (71)
20. 5 052 (71)
21. 1 000 (71)
22. 43 (60)
23. \$2.52 (60)
24. 45 (60)
25. 888 (64)

**UNIT 3 TEST B**

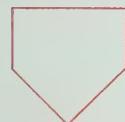
1. a (54)
2. b (54)
3. d (60)
4. a (64)
5. c (54)
6. b (58)
7. b (58)
8. c (58)
9. d (60)
10. c (64)
11. b (60)
12. a (64)
13. a (71)
14. d (71)
15. c (71)
16. d (54)
17. b (60)
18. a (60)

**UNIT 4 TEST A**

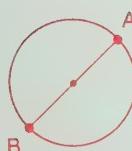
1. radius (84)
2. line segment (76)
3. quadrilateral (82)
4. line (76)
5. congruent shapes (86)
6. triangle (80)
7. triangular face (88)
8. line symmetry (74)
9. vertex (78)
10. (square) face (88)  
(or  $\overline{xy}$ )
11. side  $\overline{xy}$  (80)
12. angle S (78)
13. triangle ABC (80)  
(circle with centre C)
14. hexagon (82)
15. (86)



17. (84)



18. (82)



19. B and C (86)
20. A and D (86)

**UNIT 4 TEST B**

1. d (76)
2. d (74)
3. c (78)
4. b (80)
5. c (82)
6. c (84)
7. a (86)
8. a (88)
9. b (74)
10. a (80)
11. a (84)
12. d (88)
13. a (76)
14. b (78)
15. c (82)
16. d (86)
17. c (76)
18. b (78)
19. d (82)
20. b (84)
21. b (88)
22. b (74)
23. a (80)
24. d (86)

**UNIT 5 TEST A**

1. 48 (96)
2. 7 (94)
3. 0 (94)
4. 120 (106)
5. 30 (106)
6. \$4900 (110)
7. 1800 (110)
8. 366 (108)
9. 96 (108)
10. 232 (108)
11. \$291 (108)
12. 6594 (112)
13. 1881 (112)
14. 4080 (112)
15. \$4.96 (118)
16. \$25.89 (118)
17. 1 (102)
18. 8 (102)
19. 4 (102)
20. 6 (102)
21. 35 (120)
22. 30 (120)
23. 432 (120)
24. 32 (122)
25. 50 (122)
26. 24 (122)
27. 60 (108)
28. \$6.75 (118)
29. 216 (108)
30. \$34.72 (118)

**UNIT 5 TEST B**

1. c (94)
2. c (106)
3. b (110)
4. a (114)
5. d (118)
6. c (94)
7. d (106)
8. a (94)
9. d (110)
10. b (106)
11. b (110)
12. d (114)
13. c (118)
14. c (114)
15. a (118)
16. a (102)
17. a (102)
18. b (102)
19. d (120)
20. d (122)
21. c (122)
22. c (120)
23. a (120)
24. b (122)
25. b (108)
26. b (114)
27. a (114)

UNIT 6 TEST A1.  $8 \times 5 = 40$  (132)

$$\begin{array}{r} 5 \times 8 = 40 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 5 \\ 8 \longdiv{40} \\ \hline 40 \\ -40 \\ \hline 0 \end{array}$$

2.  $4 \times 7 = 28$  (132)

$$\begin{array}{r} 7 \times 4 = 28 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 7 \\ 4 \longdiv{28} \\ \hline 28 \\ -28 \\ \hline 0 \end{array}$$

3. 2, (136)

$$\begin{array}{r} 5 \times 2 = 10 \\ \hline 10 \end{array}$$

4. 3, (136)

$$\begin{array}{r} 9 \times 3 = 27 \\ \hline 27 \end{array}$$

5. 6 (136)

$$\begin{array}{r} 6 \times 6 = 36 \\ \hline 36 \end{array}$$

6. 6 (136)

$$\begin{array}{r} 3 \times 6 = 18 \\ \hline 18 \end{array}$$

7. 4 (136)

$$\begin{array}{r} 7 \\ 4 \end{array}$$

8. 7 (136)

$$\begin{array}{r} 6 \\ 7 \end{array}$$

9. 6 (136)

$$\begin{array}{r} 5 \\ 6 \end{array}$$

10. 5 (136)

$$\begin{array}{r} 20 \\ 5 \end{array}$$

11. 20 (142)

$$\begin{array}{r} 90 \\ 20 \end{array}$$

12. 90 (142)

$$\begin{array}{r} 9 \\ 90 \end{array}$$

13. 9 (136)

$$\begin{array}{r} 6 \\ 9 \end{array}$$

14. 6 (138)

$$\begin{array}{r} 7, R1 \\ 6 \end{array}$$

15. 7, R1 (144)

$$\begin{array}{r} 8, R3 \\ 7, R1 \end{array}$$

16. 8, R3 (144)

$$\begin{array}{r} 9, R1 \\ 8, R3 \end{array}$$

17. 9, R1 (144)

$$\begin{array}{r} 9, R3 \\ 9, R1 \end{array}$$

18. 9, R3 (144)

$$\begin{array}{r} 5 \\ 2, \text{ left over} \end{array}$$

19. 5 (144)

2 left over

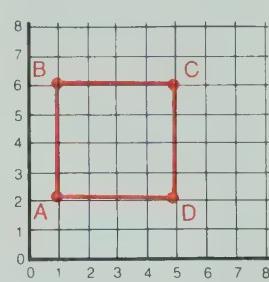
20. 8 (144)

3 cannot

play

UNIT 6 TEST B1. c (132)2. c (136)3. a (132)4. b (132)5. d (136)6. b (136)7. d (138)8. c (142)9. a (144)10. d (138)11. b (142)12. c (138)13. a (144)14. a (142)15. d (144)16. c (136)17. b (144)18. a (136)UNIT 7 TEST A1. no (150)2. yes (152)3. yes (154)4. a and c (158)

5.-8. (164)

9. square (164)UNIT 7 TEST B1. c (150)2. d (152)3. c (154)4. d (158)5. c (150)6. c (154)7. d (152)8. d (160)9. a (150)10. b (160)11. b (152)12. a (154)13. b (164)14. a (164)15. b (164)

**UNIT 8 TEST A**

1. 1.44 (176)
2. 0.95 (178)
3. five and one - hundredth (176)
4. three-tenths (174)
5. 8.20 (178)
6. 7, 78 (178)
7. \$3.35 (182)
8. \$1.72 (182)
9. 4.91 (186)
10. 4.19 (186)
11. 1.49 (186)
12. 0.94 (186)
13. 0.41 (186)
14. 8.5 (188)
15. 3.00 (188)
16. 4.31 (188)
17. 0.2 (190)
18. 1.08 (190)
19. 1.69 (190)
20. 2.1 (194)
21. 8.4 (194)
22. 4 (196)
23. 2 (198)
24. 7 (198)

**UNIT 8 TEST B**

1. c (174)
2. b (180)
3. c (174)
4. d (178)
5. c (178)
6. c (178)
7. a (182)
8. c (182)
9. c (186)
10. c (186)
11. c (198)
12. b (174)
13. c (180)
14. d (174)
15. a (178)
16. d (178)
17. b (178)
18. d (182)
19. c (182)
20. d (186)
21. d (186)
22. b (198)
23. a (180)
24. d (178)
25. a (174)
26. b (174)
27. b (178)
28. a (178)
29. b (182)
30. a (186)
31. b (186)
32. a (182)
33. a (198)
34. a (188)
35. d (190)
36. b (194)
37. c (190)

**UNIT 8 TEST B**

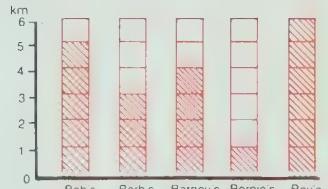
38. d (194)
39. b (194)
40. d (188)
41. a (190)
42. a (188)

**UNIT 9 TEST A**

1. 5 cm (204)
2. 3.72 (207)
3. 60 (207)
4. 5000 (210)
5. 15 (206)
6. 1 (208)
7. 2 (210)
8. metre (211)
9. centimetre (211)
10. kilometre (211)
11. 13.6 m (212)
12. 900 cm (212)
13. See below. (214)

14.  $15 \text{ cm}^2$  (218)

15.  $9 \text{ cm}^3$  (221)



**UNIT 9 TEST B**

1. a (204)
2. a (206)
3. a (206)
4. b (206)
5. d (211)
6. b (211)
7. b (211)
8. c (212)
9. b (216)
10. c (221)
11. c (212)
12. d (204)
13. c (212)
14. c (204)
15. a (216)
16. d (221)
17. d (212)
18. d (216)
19. a (212)
20. a (221)
21. b (212)
22. c (214)
23. d (214)
24. b (214)

**UNIT 10 TEST A**

1. 7200 (234)
2. 250 (234)
3. 1400 (234)
4. 2084 (230)
5. 261 (228)
6. 1656 (230)
7. 124 (228)
8. 2070 (236)
9. 8000 (242)
10. 3640 (236)
11. 55 350 (242)
12. 1036 (238)
13. 950 (238)
14. 3488 (244)
15. 30 940 (244)
16. \$55.60 (244)
17. \$122.40 (244)
18. 2212 (238)
19. \$ 306 (238)
20. 6580 (244)

**UNIT 10 TEST B**

1. b (234)
2. b (234)
3. c (234)
4. a (228)
5. b (230)
6. c (236)
7. d (242)
8. d (238)
9. d (244)
10. d (228)
11. c (230)
12. d (236)
13. a (242)
14. a (228)
15. b (242)
16. b (230)
17. a (238)
18. d (244)
19. b (236)
20. a (244)
21. c (238)
22. c (230)
23. a (246)
24. c (238)

**UNIT 11 TEST A**

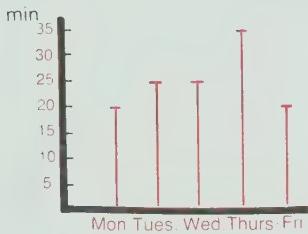
1. 6 (250)
2. 2 (250)
3. 5 (250)
4. 8R3 (250)
5. 8R2 (250)
6. 3R1 (250)
7. 10 (252)
8. 12 (252)
9. 15 (256)
10. 14 (256)
11. 401 (254)
12. 320 (254)
13. 115 (260)
14. 219 (260)
15. 192 (262)
16. 293 (262)
17. 32 (264)
18. 149 (264)
19. 133 R6 (264)
20. 125 R2 (264)
21. 12 (256)
22. 83 (262)
23. \$37 (264)
24. 12 (266)
25. \$87 (266)

**UNIT 11 TEST B**

1. d (250)
2. a (250)
3. b (253)
4. b (253)
5. c (250)
6. d (252)
7. d (250)
8. b (253)
9. a (252)
10. a (250)
11. b (250)
12. b (253)
13. c (256)
14. c (260)
15. d (262)
16. b (264)
17. c (256)
18. d (262)
19. c (260)
20. c (264)
21. a (262)
22. a (256)
23. b (260)
24. a (264)
25. d (266)
26. d (260)
27. c (266)
28. b (260)
29. a (266)
30. a (266)

**UNIT 12 TEST A**

1. mass (272)
2. capacity (272)
3. 500 mL (282)
4. kg (284)
5. 1 m (281)
6. 19:45 (278)
7. min (276)
8. mm (281)
9. g (284)
10. L (282)
11. cm (281)
12. 180 (276)
13. 2,2 (276)
14. 8,4 (276)
15. 1:10 p.m. (278)  
or 13:10
16. min (288)

**UNIT 12 TEST B**

1. b (272)
2. c (276)
3. d (280)
4. b (278)
5. d (272)
6. c (280)
7. c (278)
8. b (272)
9. a (278)
10. a (280)
11. d (280)
12. c (284)
13. b (282)
14. a (276)
15. d (284)
16. d (276)
17. c (280)
18. b (284)
19. c (282)
20. b (276)
21. a (280)
22. a (282)
23. a (276)
24. a (286)
25. c (280)
26. c (287)
27. c (282)
28. d (286)
29. d (287)
30. b (286)
31. a (276)
32. b (287)
33. b (284)
34. d (288)
35. d (288)
36. a (288)

**UNIT 13 TEST A**

1. 2.5 (296)
2. 1.75 (297)
3. 0.70 (298)
4. 3 1/4 (297)
5. 1 9/10 (298)
6. 1/2 (296)
7. = (300)
8. > (300)
9. < (300)
10. < (300)
11. 1/10, 1/4, 3/10, 1/2 (300)
12. 9/10 (304)
13. 4 (304)
14. 4 (304)
15. 10 3/4 (304)
16. 2 3/4 (306)
17. 2 6/10 (306)
18. 4 (306)
19. all A, B, and C (302)

**UNIT 13 TEST B**

1. b (296)
2. b (300)
3. b (302)
4. d (296)
5. a (300)
6. d (296)
7. a (302)
8. a (296)
9. d (300)
10. a (296)
11. b (302)
12. c (296)
13. c (304)
14. b (306)
15. d (306)
16. d (304)
17. c (304)
18. c (306)

**YEAR-END TEST**

1. b
2. b
3. b
4. d
5. a
6. a
7. d
8. c
9. b
10. d
11. d
12. d
13. d
14. a
15. d
16. a
17. b
18. d
19. b
20. d
21. a
22. c
23. a
24. a
25. a
26. b
27. b
28. a
29. c
30. d
31. c
32. a
33. b
34. b
35. d
36. a
37. b

**YEAR-END TEST**

38. d
39. d
40. c
41. a
42. c
43. d
44. c
45. a
46. c
47. c
48. d
49. d
50. d
51. b
52. c
53. d
54. d
55. b
56. a
57. a
58. d
59. b
60. d
61. c
62. b
63. d
64. c
65. b
66. a

Choose the correct answer.

1. Which is the numeral for five thousand twenty-four?  
Ⓐ 50024 Ⓑ 524 Ⓒ 5024 Ⓓ 5000 24

2. Which words name 9870?  
Ⓐ ninety-eight seventy Ⓑ nine hundred eighty-seven  
Ⓒ nine eight hundred seventy Ⓓ nine thousand eight hundred seventy

3. Which list shows the numbers 4222, 4662, 462, and 4626 in order from least to greatest?  
Ⓐ 

462
4222
4626
4662

 Ⓑ 

4222
4662
462
4626

 Ⓒ 

4662
4626
4222
462

 Ⓓ 

4222
462
4662
4626

4. 
$$\begin{array}{r} 42 \\ + 34 \\ \hline \end{array}$$
 Ⓐ 42 Ⓑ 76 Ⓒ 34 Ⓓ 8

5. 
$$\begin{array}{r} 72 \\ + 25 \\ \hline \end{array}$$
 Ⓐ 57 Ⓑ 72 Ⓒ 25 Ⓓ 97

6. 
$$\begin{array}{r} 543 \\ + 452 \\ \hline \end{array}$$
 Ⓐ 543 Ⓑ 452 Ⓒ 995 Ⓓ 91

7. 
$$\begin{array}{r} 237 \\ + 98 \\ \hline \end{array}$$
 Ⓐ 335 Ⓑ 225 Ⓒ 235 Ⓓ 139

8. 
$$\begin{array}{r} 493 \\ + 247 \\ \hline \end{array}$$
 Ⓐ 246 Ⓑ 630 Ⓒ 640 Ⓓ 740

9. 
$$\begin{array}{r} 628 \\ + 753 \\ \hline \end{array}$$
 Ⓐ 1381 Ⓑ 1371 Ⓒ 75 Ⓓ 1481

10. 
$$\begin{array}{r} 87 \\ - 35 \\ \hline \end{array}$$
 Ⓐ 52 Ⓑ 35 Ⓒ 122 Ⓓ 112

11. 
$$\begin{array}{r} 695 \\ - 273 \\ \hline \end{array}$$
 Ⓐ 968 Ⓑ 422 Ⓒ 868 Ⓓ 222

12. 
$$\begin{array}{r} 999 \\ - 815 \\ \hline \end{array}$$
 Ⓐ 1704 Ⓑ 1814 Ⓒ 184 Ⓓ 84

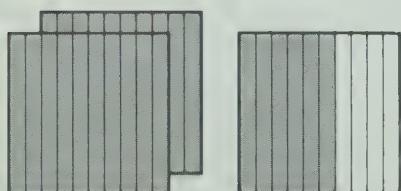
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_

13.	$\begin{array}{r} 522 \\ - 87 \\ \hline \end{array}$	(a) 609      (b) 545      (c) 435      (d) 445	13. _____
14.	$\begin{array}{r} 903 \\ - 765 \\ \hline \end{array}$	(a) 138      (b) 248      (c) 262      (d) 1668	14. _____
15.	$\begin{array}{r} 1004 \\ - 529 \\ \hline \end{array}$	(a) 475      (b) 1525      (c) 1533      (d) 1475	15. _____
16.	$\begin{array}{r} 34 \\ \times 2 \\ \hline \end{array}$	(a) 36      (b) 6      (c) 68      (d) 8	16. _____
17.	$\begin{array}{r} 65 \\ \times 7 \\ \hline \end{array}$	(a) 425      (b) 455      (c) 42      (d) 35	17. _____
18.	$\begin{array}{r} 89 \\ \times 8 \\ \hline \end{array}$	(a) 642      (b) 72      (c) 97      (d) 712	18. _____
19.	$7 \overline{) 56}$	(a) 6      (b) 8      (c) 9 R2      (d) 7 R6	19. _____
20.	$4 \overline{) 35}$	(a) 8      (b) 9      (c) 9 R1      (d) 8 R3	20. _____
21.	$8 \overline{) 66}$	(a) 8      (b) 9 R6      (c) 8 R2      (d) 9	21. _____

22. Which is the decimal five and four-hundredths?

- (a) 5.4      (b) 5400      (c) 5.04      (d) 504

23. Which decimal is shown?

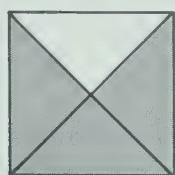


- (a) 0.6      (b) 1.6      (c) 0.4      (d) 2.6

24. Which list shows the numbers in order from least to greatest?

- |                                 |                                 |                                 |                                  |
|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
| (a) 0.7<br>0.07<br>0.65<br>0.56 | (b) 0.7<br>0.65<br>0.56<br>0.07 | (c) 0.07<br>0.56<br>0.65<br>0.7 | (d) 0.56<br>0.65<br>0.07<br>0.70 |
|---------------------------------|---------------------------------|---------------------------------|----------------------------------|

25. Which fraction shows how much is shaded?



25. \_\_\_\_\_

26. \_\_\_\_\_

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_

- (a)  $\frac{1}{4}$       (b)  $\frac{1}{3}$       (c)  $\frac{3}{4}$       (d)  $\frac{3}{10}$

26. Which fraction shows how much is shaded?



- (a)  $\frac{1}{2}$       (b)  $\frac{1}{4}$       (c)  $\frac{1}{3}$       (d)  $\frac{2}{3}$

27. Which fraction shows how much is shaded?



- (a)  $\frac{7}{10}$       (b)  $\frac{3}{10}$       (c)  $\frac{3}{7}$       (d)  $\frac{7}{3}$

28. Which time is shown?



- (a) 10:25      (b) 11:05      (c) 4:55      (d) 11:25

29. Which time is shown?



- (a) 9:14      (b) 2:45      (c) 9:03      (d) 8:14

30. Which time is shown?



- (a) 9:23      (b) 4:46      (c) 5:46      (d) 10:23

Which is the best estimate for each measurement?

31. the mass of a pair of shoes

- (a) 1 kg      (b) 5 kg      (c) 10 kg      (d) 50 kg

32. the amount of water in a watering can

- (a) 5 L      (b) 50 L      (c) 100 L      (d) 500 L

33. the temperature of your body

- (a) 0°C      (b) 18°C      (c) 37°C      (d) 52°C

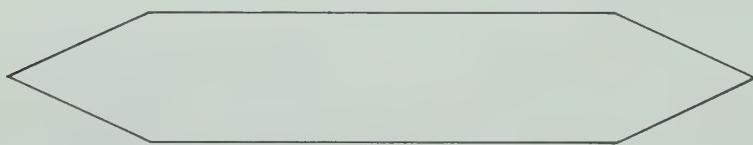
34. the length of a fly

- (a) 1 cm      (b) 10 cm      (c) 20 cm      (d) 50 cm

35. the length of a car

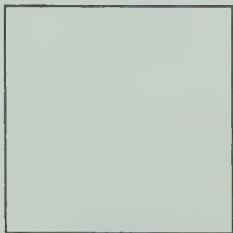
- (a) 1 m      (b) 4 m      (c) 15 m      (d) 50 m

36. Use a centimetre ruler. Which is the perimeter of this shape?



- (a) 6 cm      (b) 20 cm      (c) 12 cm      (d) 18 cm

37. Which is the name for this shape?



- (a) square      (b) rectangle      (c) triangle      (d) cube

30. \_\_\_\_\_

31. \_\_\_\_\_

32. \_\_\_\_\_

33. \_\_\_\_\_

34. \_\_\_\_\_

35. \_\_\_\_\_

36. \_\_\_\_\_

37. \_\_\_\_\_

38. Which is the name for this shape?



38. \_\_\_\_\_

39. \_\_\_\_\_

40. \_\_\_\_\_

41. \_\_\_\_\_

42. \_\_\_\_\_

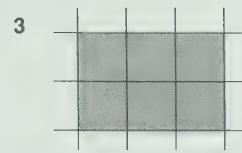
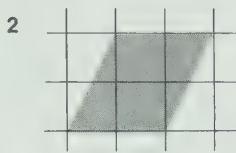
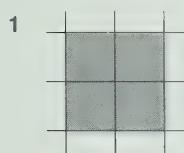
(a) circle

(b) sphere

(c) cylinder

(d) cone

39. Which shapes are similar?



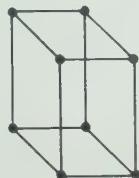
(a) 1 and 2

(b) 1 and 3

(c) 1 and 4

(d) 1, 3, and 4

Use this shape for exercises 40 to 42.



40. How many faces?

(a) 8

(b) 12

(c) 6

(d) 7

41. How many edges?

(a) 8

(b) 12

(c) 6

(d) 7

42. How many vertices?

(a) 8

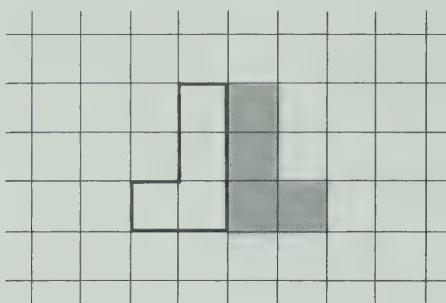
(b) 12

(c) 6

(d) 7

Which do you do to make the gray shape fit the white shape?

43.



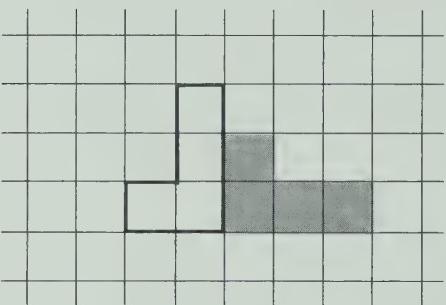
43. \_\_\_\_\_

44. \_\_\_\_\_

45. \_\_\_\_\_

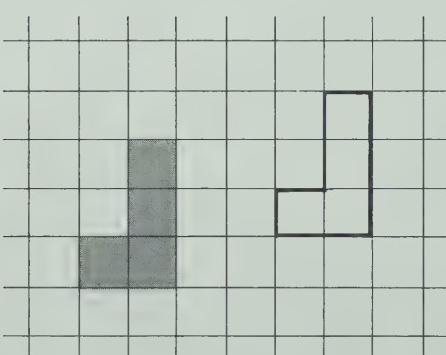
- (a) flip      (b) slide      (c) turn      (d) slip

44.



- (a) flip      (b) slide      (c) turn      (d) slip

45.



- (a) flip      (b) slide      (c) turn      (d) slip

Use this graph for exercises 46 to 48.

46. \_\_\_\_\_

47. \_\_\_\_\_

48. \_\_\_\_\_

49. \_\_\_\_\_

50. \_\_\_\_\_

51. \_\_\_\_\_

Students in Each Grade	
3	○○○○○○○○○○
4	○○○○○○○
5	○○○○○○○○
6	○○○○○○○○
Each	○ = 4 students.

46. Which grade has the most students?

- (a) 3      (b) 4      (c) 5      (d) 6

47. How many students are in grade 4?

- (a) 6      (b) 24      (c) 28      (d) 32

48. How many more students are in grade 3 than in grade 6?

- (a) 0      (b) 2      (c) 4      (d) 8

49. A book has 302 pages. Emma has read 186. How many pages does she have left to read?

- (a) 302      (b) 186      (c) 488      (d) 116

50. Angela has \$1.35. She buys a notebook for \$0.89.  
How much money does she have left?

- (a) \$2.24      (b) 224      (c) \$46      (d) 46¢

51. Michael plants 5 rows of potatoes with 8 plants in each row.  
How many potato plants does he have in all?

- (a) 13      (b) 3      (c) 40      (d) 1 R3

Answer each question.

1. What does the 0 mean in  
7707?

2. What does the 4 mean in  
145 269?

Write the standard form.

3. three hundred sixteen thousand twenty-eight  
4. 4 thousands 9 hundreds 1 one  
5.  $80\ 000 + 3000 + 900 + 50$

6. LXXIV

Write the expanded form.

7. 20 173

8. 6016

Write the words.

9. 10 040

10. 208 000

Use  $>$  or  $<$  to make true statements.

11.  $8339 \textcircled{=}$  8344

12.  $155\ 099 \textcircled{=}$  155 800

List the numbers from greatest to least.

13. 99 099, 90 990, 99 900

Round

14. 14 482 to the nearest ten.
15. 14 482 to the nearest hundred.
16. 14 482 to the nearest thousand.

Answer the question.

17. On your first birthday you begin your second year of life.  
On your 50th birthday, which year of life do you begin?

Write the fraction that shows

18. how much is shaded.



19. how much is shaded.



20. how many are circles.



1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

Choose the correct answer.

1. Which does the 6 mean in 76 521?

- (a) 6      (b) 600      (c) 60 000      (d) 6000

1. \_\_\_\_\_

2. Which is the standard form for two hundred one thousand seven hundred five?

- (a) 201 075      (b) 21 705      (c) 705 201      (d) 201 705

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

3. Which is the expanded form for 456 123?

- (a)  $456 + 123$       (b)  $4 + 5 + 6 + 1 + 2 + 3$   
(c)  $400\ 000 + 50\ 000 + 6000$   
 $+ 100 + 20 + 3$       (d)  $40\ 000 + 5000 + 600 + 12 + 3$

4. Which words name 45 080?

- (a) forty-five thousand eighty      (b) forty-five thousand eight  
(c) four hundred, five thousand  
eighty      (d) four thousand five hundred  
eighty

5. Which is a true statement?

- (a)  $771\ 117 > 717\ 771$       (b)  $771\ 117 < 717\ 771$   
(c)  $771\ 117 > 771\ 717$       (d)  $771\ 117 < 717\ 117$

6. Which list shows the numbers in order from greatest to least?

- |     |                                      |     |                                      |     |                                      |     |                                      |
|-----|--------------------------------------|-----|--------------------------------------|-----|--------------------------------------|-----|--------------------------------------|
| (a) | 45 056<br>45 065<br>46 506<br>45 055 | (b) | 46 506<br>45 065<br>45 056<br>45 055 | (c) | 45 055<br>45 056<br>45 065<br>46 506 | (d) | 46 506<br>45 065<br>45 055<br>45 056 |
|-----|--------------------------------------|-----|--------------------------------------|-----|--------------------------------------|-----|--------------------------------------|

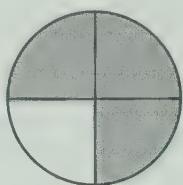
7. Which is 427 rounded to the nearest ten?

- (a) 30      (b) 430      (c) 420      (d) 400

8. Which is the thirtieth letter in this sentence?

- (a) r      (b) i      (c) s      (d) e

9. Which fraction shows how much is shaded?



- (a)  $\frac{1}{4}$       (b)  $\frac{3}{1}$       (c)  $\frac{3}{4}$       (d)  $\frac{4}{3}$

10. Which fraction tells what part of the set is circles?



- (a)  $\frac{3}{2}$       (b)  $\frac{3}{5}$       (c)  $\frac{5}{3}$       (d)  $\frac{2}{5}$

11. Which fraction tells how much is shaded?



- (a)  $\frac{1}{4}$       (b)  $3\frac{1}{4}$       (c)  $3\frac{3}{4}$       (d)  $\frac{3}{7}$

12. Which is the standard form for  $700\ 000 + 60\ 000 + 60 + 3$ ?

- (a) 706 603    (b) 760 063    (c) 760 630    (d) 706 063

13. Which words name 456 789?

- (a) four hundred fifty-six seven hundred eighty-nine  
(b) four hundred fifty-six thousand eight hundred seventy-nine  
(c) four hundred fifty-six thousand seven hundred eighty-nine  
(d) four hundred fifty-six hundred seven hundred eighty-nine

14. Which list shows the numbers in order from least to greatest?

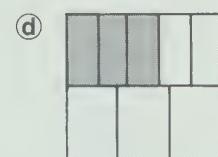
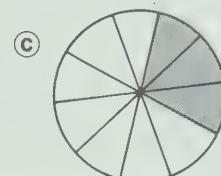
- |  |  |  |  |
|--|--|--|--|
| (a) 145 678<br>154 687<br>154 768<br>154 786 | (b) 154 786<br>154 768<br>154 687<br>145 678 | (c) 154 786<br>154 687<br>154 768<br>145 678 | (d) 145 678<br>154 768<br>154 687<br>154 786 |
|--|--|--|--|

9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_

15. Which would follow the 149th runner in a race?

- (a) 148th      (b) 200th      (c) 150      (d) 150th

16. Which picture shows  $\frac{3}{8}$  shaded?



15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

17. Which does the 3 mean in 324 167?

- (a) 3      (b) 300 000      (c) 300      (d) 3000

18. Which is the expanded form for 70 060?

- (a)  $70 + 60$       (b)  $7 + 6$       (c)  $70\ 000 + 6$       (d)  $70\ 000 + 60$

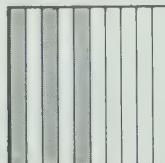
19. Which is a true statement?

- (a)  $10\ 006 > 60\ 001$       (b)  $100\ 006 < 60\ 001$   
(c)  $60\ 001 > 10\ 006$       (d)  $60\ 001 > 100\ 006$

20. Which is 6648 rounded to the nearest hundred?

- (a) 6650      (b) 6600      (c) 7000      (d) 6700

21. Which fraction shows how much is shaded?



- (a)  $\frac{7}{10}$       (b)  $\frac{3}{10}$       (c)  $\frac{3}{7}$       (d)  $\frac{10}{3}$

22. Which fraction tells how many boxes of golf balls there are?



- (a)  $\frac{2}{4}$       (b)  $\frac{2}{3}$       (c)  $1\frac{3}{2}$       (d)  $1\frac{2}{3}$

23. Which does the 0 mean in 136 804?

- (a) 0 tens      (b) 0      (c) 0 hundreds      (d) 0 ten thousands

24. Which words name 60 006?

- (a) sixty thousand six      (b) six thousand six  
(c) sixty-six      (d) six hundred thousand six

25. Which is 3489 rounded to the nearest thousand?

- (a) 4000      (b) 3500      (c) 3490      (d) 3000

26. Canada has 10 provinces. 4 are the Atlantic Provinces.

Which fraction tells how many of the provinces are  
Atlantic Provinces?

- (a)  $\frac{4}{10}$       (b)  $\frac{10}{4}$       (c)  $\frac{4}{6}$       (d) 4

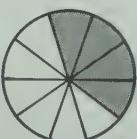
27. Which is the standard form for XCVII?

- (a) 47      (b) 67      (c) 97      (d) 117

28. Which is a true statement?

- (a) 423 156 > 423 651      (b) 423 156 > 423 516  
(c) 423 156 < 56 423      (d) 423 156 < 423 165

29. Which fraction tells how much is shaded?



- (a)  $4\frac{4}{10}$       (b)  $4\frac{10}{4}$       (c)  $\frac{4}{10}$       (d)  $\frac{5}{14}$

22. \_\_\_\_\_

23. \_\_\_\_\_

24. \_\_\_\_\_

25. \_\_\_\_\_

26. \_\_\_\_\_

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_

30. Which is the expanded form for 602 508?

- (a)  $600\ 000 + 20\ 000 + 5000 + 8$  (b)  $60\ 000 + 2000 + 500 + 8$   
(c)  $600\ 000 + 2000 + 500 + 8$  (d)  $600\ 000 + 2000 + 50 + 8$

30. \_\_\_\_\_

31. \_\_\_\_\_

32. \_\_\_\_\_

33. \_\_\_\_\_

31. Which list shows the numbers in order from greatest to least?

(a) 60 006  
60 060  
60 600  
66 000

(b) 66 000  
60 600  
60 006  
60 060

(c) 66 000  
60 600  
60 060  
60 006

(d) 66 000  
60 060  
60 006  
60 600

32. Which would be followed by the 203rd runner?

- (a) 204th      (b) 202nd      (c) 202      (d) 200th

33. Which fraction shows how much is shaded?



- (a)  $\frac{3}{5}$       (b)  $\frac{2}{3}$       (c)  $\frac{5}{2}$       (d)  $\frac{2}{5}$

Add.

1. 
$$\begin{array}{r} 63 \\ + 34 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 571 \\ + 402 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 18 \\ + 53 \\ \hline \end{array}$$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

4. 
$$\begin{array}{r} 406 \\ + 134 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 472 \\ + 462 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} \$1831 \\ + 926 \\ \hline \end{array}$$

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

7. 
$$\begin{array}{r} 649 \\ + 803 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 3773 \\ + 5258 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \$1694 \\ + 420 \\ \hline \end{array}$$

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

10. 
$$\begin{array}{r} 308 \\ + 93 \\ + 265 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 2609 \\ + 1784 \\ + 3951 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} \$ 771 \\ + 5401 \\ + 80 \\ \hline \end{array}$$

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

Choose the better estimate for each sum.

13.  $797 + 813 + 920$  [2400 or 2500]

14.  $\$3703 + \$964 + \$1855$  [\$6000 or \$7000]

Solve.

15. A barrel contains 67 apples and 76 pears. How many pieces of fruit does the barrel contain?

16. At the farm stand on Wednesday, produce sales were \$2146. On Thursday, sales were \$1859. How much were sales for the two days?

17. Susan brought 38 tomatoes to the market. Harry brought 47 tomatoes. Sally brought 106 tomatoes. How many tomatoes did they bring in all?

18. The turkeys ate 176 kg of feed in one month. The chickens ate 351 kg of feed. How much feed was eaten by the turkeys and chickens in all?

Choose the correct answer.

- |     |   |           |           |           |            |           |
|-----|---|-----------|-----------|-----------|------------|-----------|
| 1.  | $\begin{array}{r} 84 \\ + 3 \\ \hline \end{array}$              | (a) 87    | (b) 81    | (c) 117   | (d) 97     | 1. _____  |
| 2.  | $\begin{array}{r} 25 \\ + 26 \\ \hline \end{array}$             | (a) 49    | (b) 411   | (c) 51    | (d) 41     | 2. _____  |
| 3.  | $\begin{array}{r} 317 \\ + 192 \\ \hline \end{array}$           | (a) 509   | (b) 409   | (c) 519   | (d) 125    | 3. _____  |
| 4.  | $\begin{array}{r} 4628 \\ + 831 \\ \hline \end{array}$          | (a) 4459  | (b) 3797  | (c) 5459  | (d) 5559   | 4. _____  |
| 5.  | $\begin{array}{r} \$586 \\ + 129 \\ \hline \end{array}$         | (a) \$605 | (b) \$615 | (c) \$715 | (d) \$457  | 5. _____  |
| 6.  | $\begin{array}{r} 5678 \\ + 3456 \\ \hline \end{array}$         | (a) 8024  | (b) 9134  | (c) 8134  | (d) 2222   | 6. _____  |
| 7.  | $\begin{array}{r} 1543 \\ 2454 \\ + 3335 \\ \hline \end{array}$ | (a) 6222  | (b) 7232  | (c) 7332  | (d) 6332   | 7. _____  |
| 8.  | $\begin{array}{r} 51 \\ + 38 \\ \hline \end{array}$             | (a) 13    | (b) 5138  | (c) 99    | (d) 89     | 8. _____  |
| 9.  | $\begin{array}{r} 386 \\ + 209 \\ \hline \end{array}$           | (a) 177   | (b) 585   | (c) 515   | (d) 595    | 9. _____  |
| 10. | $\begin{array}{r} 247 \\ + 230 \\ \hline \end{array}$           | (a) 17    | (b) 477   | (c) 470   | (d) 487    | 10. _____ |
| 11. | $\begin{array}{r} 1234 \\ + 3456 \\ \hline \end{array}$         | (a) 2222  | (b) 4690  | (c) 4680  | (d) 46 810 | 11. _____ |
| 12. | $\begin{array}{r} 294 \\ + 350 \\ \hline \end{array}$           | (a) 56    | (b) 644   | (c) 640   | (d) 544    | 12. _____ |
| 13. | $\begin{array}{r} 8876 \\ + 600 \\ \hline \end{array}$          | (a) 8276  | (b) 8476  | (c) 9400  | (d) 9476   | 13. _____ |
| 14. | $\begin{array}{r} 1872 \\ + 3567 \\ \hline \end{array}$         | (a) 1695  | (b) 4339  | (c) 5449  | (d) 5439   | 14. _____ |
| 15. | $\begin{array}{r} 3758 \\ + 2694 \\ \hline \end{array}$         | (a) 5342  | (b) 1064  | (c) 6452  | (d) 6442   | 15. _____ |

16.	$\begin{array}{r} 2134 \\ 1286 \\ +1397 \\ \hline \end{array}$	(a) 3420	(b) 4607	(c) 4717	(d) 4817	16. _____
17.	$\begin{array}{r} 2174 \\ +1465 \\ \hline \end{array}$	(a) 3639	(b) 3539	(c) 35 139	(d) 709	17. _____
18.	$\begin{array}{r} 2736 \\ +4542 \\ \hline \end{array}$	(a) 6278	(b) 7278	(c) 61 278	(d) 7388	18. _____
19.	$\begin{array}{r} 3076 \\ +2395 \\ \hline \end{array}$	(a) 5471	(b) 5361	(c) 6471	(d) 5171	19. _____
20.	$\begin{array}{r} 1984 \\ +766 \\ \hline \end{array}$	(a) 1640	(b) 2750	(c) 9750	(d) 1218	20. _____
21.	$\begin{array}{r} 1089 \\ 2056 \\ +3428 \\ \hline \end{array}$	(a) 6573	(b) 6563	(c) 6453	(d) 6173	21. _____
22.	Which is the best estimate for $4217 + \$2964 + \$2198$ ?	(a) \$11 000	(b) \$9000	(c) \$8000	(d) \$900	22. _____
23.	Which is the best estimate for $465 + 728 + 559$ ?	(a) 1800	(b) 1600	(c) 1900	(d) 2000	23. _____
24.	Which is the best estimate for $3433 + 286 + 1579$ ?	(a) 5000	(b) 6000	(c) 8000	(d) 4000	24. _____
25.	In our first year in the league, our team lost 48 games. In our second year, our team lost 35 games. How many games did our team lose in two years?	(a) 13	(b) 73	(c) 83	(d) 93	25. _____
26.	Sam earned \$384 picking berries. Kay earned \$678. How much did they earn together?	(a) \$294	(b) \$952	(c) \$1062	(d) \$1052	26. _____
27.	George forgot his calculator. He estimated the sum of 3663 plus 2442 plus 1999. What was his estimate?	(a) 9100	(b) 7100	(c) 6100	(d) 8100	27. _____

Subtract.

1.  $\begin{array}{r} 23 \\ - 12 \\ \hline \end{array}$

2.  $\begin{array}{r} 3858 \\ - 531 \\ \hline \end{array}$

3.  $\begin{array}{r} 91 \\ - 47 \\ \hline \end{array}$

4.  $\begin{array}{r} 584 \\ - 127 \\ \hline \end{array}$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5.  $\begin{array}{r} 2209 \\ - 2134 \\ \hline \end{array}$

6.  $\begin{array}{r} 7959 \\ - 364 \\ \hline \end{array}$

7.  $\begin{array}{r} \$1539 \\ - 832 \\ \hline \end{array}$

8.  $\begin{array}{r} 9455 \\ - 2640 \\ \hline \end{array}$

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

9.  $\begin{array}{r} 622 \\ - 285 \\ \hline \end{array}$

10.  $\begin{array}{r} 7777 \\ - 1991 \\ \hline \end{array}$

11.  $\begin{array}{r} \$3390 \\ - 1667 \\ \hline \end{array}$

12.  $\begin{array}{r} 7311 \\ - 4846 \\ \hline \end{array}$

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

13.  $\begin{array}{r} 703 \\ - 589 \\ \hline \end{array}$

14.  $\begin{array}{r} 4000 \\ - 1065 \\ \hline \end{array}$

15.  $\begin{array}{r} \$3007 \\ - 923 \\ \hline \end{array}$

16.  $\begin{array}{r} 2001 \\ - 732 \\ \hline \end{array}$

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

Add or subtract as shown.

17.  $5908 - 1968$

14. \_\_\_\_\_

18.  $(208 + 481) - 527$

15. \_\_\_\_\_

19.  $4023 + (4719 - 568)$

16. \_\_\_\_\_

20.  $(4747 - 77) + 382$

17. \_\_\_\_\_

21.  $1019 - (200 - 181)$

18. \_\_\_\_\_

Solve.

22. In the fall, 141 books were given to the students. In the spring, 98 books were returned. How many books were not returned?

23. New math books cost \$11.50. Used math books cost only \$8.98. How much less does a used math book cost?

19. \_\_\_\_\_

24. The truck was loaded with 2312 cartons. After its first stop, it had 2267 cartons. How many cartons did it deliver at its first stop?

25. The warehouse held 1205 stoves. 317 stoves were shipped to fill orders. How many stoves were left in the warehouse?

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

24. \_\_\_\_\_

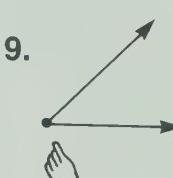
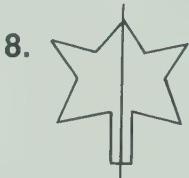
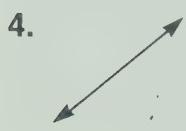
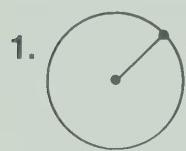
25. \_\_\_\_\_

Choose the correct answer.

1. 
$$\begin{array}{r} 46 \\ - 21 \\ \hline \end{array}$$
      (a) 25      (b) 24      (c) 15      (d) 67      1. \_\_\_\_\_
2. 
$$\begin{array}{r} 81 \\ - 32 \\ \hline \end{array}$$
      (a) 59      (b) 49      (c) 51      (d) 113      2. \_\_\_\_\_
3. 
$$\begin{array}{r} 7426 \\ - 3872 \\ \hline \end{array}$$
      (a) 11 298      (b) 4454      (c) 35 414      (d) 3554      3. \_\_\_\_\_
4. 
$$\begin{array}{r} 9090 \\ - 8989 \\ \hline \end{array}$$
      (a) 101      (b) 1101      (c) 18 079      (d) 1111      4. \_\_\_\_\_
5. 
$$\begin{array}{r} 74 \\ - 31 \\ \hline \end{array}$$
      (a) 105      (b) 313      (c) 43      (d) 33      5. \_\_\_\_\_
6. 
$$\begin{array}{r} 726 \\ - 692 \\ \hline \end{array}$$
      (a) 24      (b) 34      (c) 174      (d) 134      6. \_\_\_\_\_
7. 
$$\begin{array}{r} 86 \\ - 45 \\ \hline \end{array}$$
      (a) 131      (b) 41      (c) 311      (d) 31      7. \_\_\_\_\_
8. 
$$\begin{array}{r} 8279 \\ - 6745 \\ \hline \end{array}$$
      (a) 2534      (b) 2434      (c) 1534      (d) 15 024      8. \_\_\_\_\_
9. 
$$\begin{array}{r} 9366 \\ - 3688 \\ \hline \end{array}$$
      (a) 6322      (b) 6788      (c) 5788      (d) 5678      9. \_\_\_\_\_
10. 
$$\begin{array}{r} 704 \\ - 118 \\ \hline \end{array}$$
      (a) 822      (b) 696      (c) 586      (d) 686      10. \_\_\_\_\_
11. 
$$\begin{array}{r} 6122 \\ - 784 \\ \hline \end{array}$$
      (a) 6906      (b) 5338      (c) 6662      (d) 6448      11. \_\_\_\_\_
12. 
$$\begin{array}{r} 6004 \\ - 2768 \\ \hline \end{array}$$
      (a) 3236      (b) 8772      (c) 4346      (d) 4764      12. \_\_\_\_\_
13.  $1030 - (534 - 149)$   
(a) 645      (b) 347      (c) 655      (d) 535      13. \_\_\_\_\_
14.  $2120 - (765 + 1130)$   
(a) 2485      (b) 4015      (c) 1775      (d) 225      14. \_\_\_\_\_
15.  $3006 - (1185 + 1236)$   
(a) 5427      (b) 3057      (c) 585      (d) 1425      15. \_\_\_\_\_

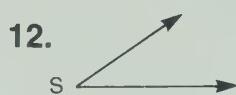
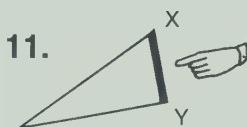
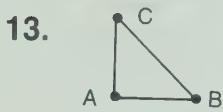
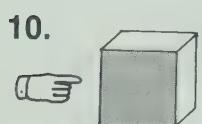
16. The dealer sold 51 cars during the summer. 36 of them were economy models. How many were not economy models?      16. \_\_\_\_\_  
    (a) 87      (b) 25      (c) 5      (d) 15      17. \_\_\_\_\_
17. Lumber costs \$70.00. You have \$19.50. How much more money do you need to buy the lumber?  
    (a) \$51.50      (b) \$50.50      (c) \$61.50      (d) \$89.50
18. There were 718 students in school on Monday. On Tuesday there were 589 students in school. How many more students were in school on Monday than on Tuesday?  
    (a) 129      (b) 1307      (c) 271      (d) 239

From the list, choose the one idea that best matches each picture.



- |                  |
|------------------|
| congruent shapes |
| line             |
| line segment     |
| line symmetry    |
| quadrilateral    |
| radius           |
| triangle         |
| triangular faces |
| vertex           |

Name each of these.



Draw a picture for each of these.

16. a right angle

17.

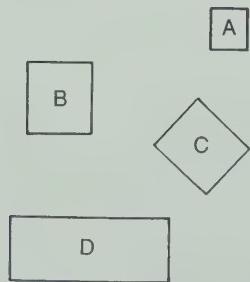
17. a pentagon

18. a circle with diameter AB

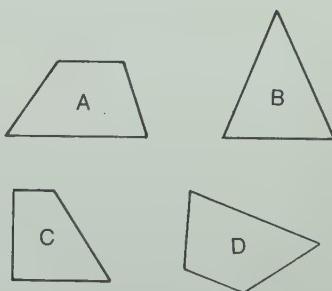
18.

Which shapes are congruent?

19.



20.



19.

20.

Choose the correct answer.

1. Which drawing shows a line?

(a)



(b)



(c)



(d)



1. \_\_\_\_\_

2. \_\_\_\_\_

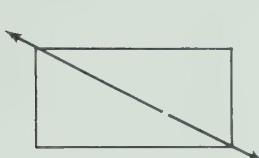
3. \_\_\_\_\_

4. \_\_\_\_\_

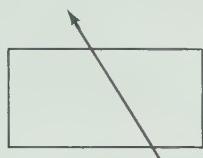
5. \_\_\_\_\_

2. Which is a line of symmetry?

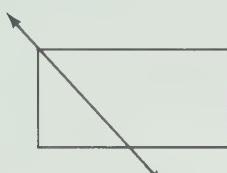
(a)



(b)



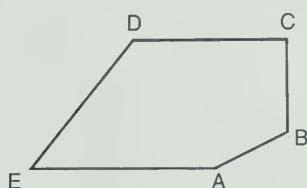
(c)



(d)



3. Which angle is a right angle?



(a) A

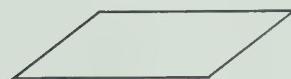
(b) B

(c) C

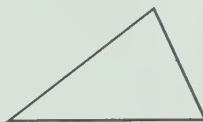
(d) D

4. Which shows a triangle?

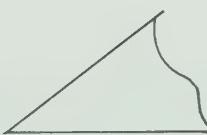
(a)



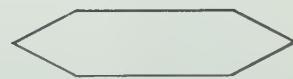
(b)



(c)



(d)



5. Which shows a quadrilateral?

(a)



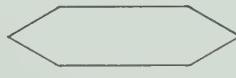
(b)



(c)



(d)



6. Which shows a circle?

(a)



(b)



(c)



(d)



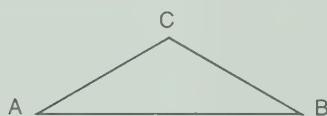
6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

7. Which triangle is congruent to ABC?



(a)



(b)



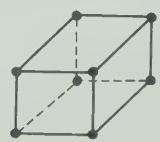
(c)



(d)



8. How many faces does this solid have?



(a) 6

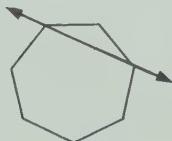
(b) 7

(c) 3

(d) 9

9. Which is a line of symmetry?

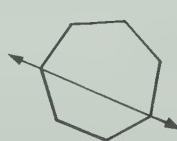
(a)



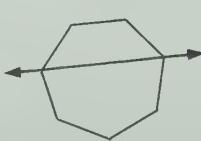
(b)



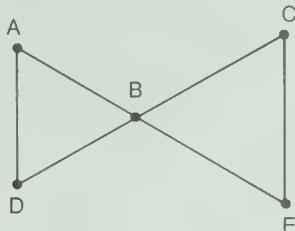
(c)



(d)



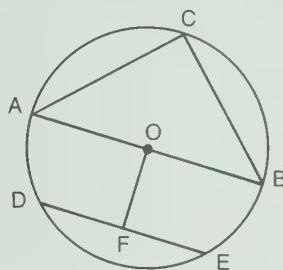
10. Which names a triangle shown in the drawing?



10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_

- (a) BAD      (b) ABC      (c) CBD      (d) ADE

11. Which names a radius? The centre is at O.



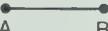
- (a)  $\overline{OA}$       (b)  $\overline{OF}$       (c)  $\overline{AB}$       (d)  $\overline{BC}$

12. How many faces does this solid have?

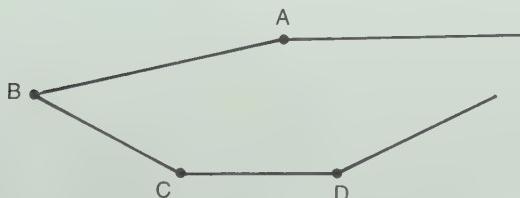


- (a) 2      (b) 6      (c) 9      (d) 5

13. Which drawing shows a line segment?

- (a)       (b)       (c)       (d) 

14. Which angle is less than a right angle?



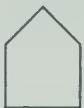
- (a) A      (b) B      (c) C      (d) D

15. Which shows a hexagon?

(a)



(b)



(c)



(d)



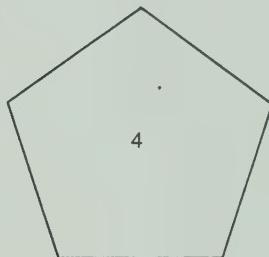
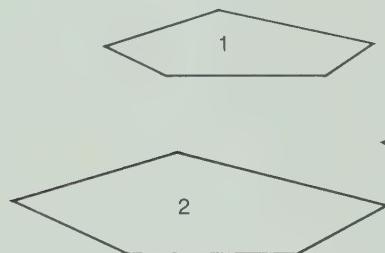
15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

16. Which shapes are congruent?



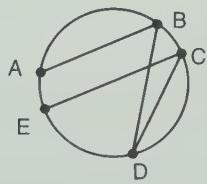
(a) 1 and 2

(b) 1, 2, 3, and 4

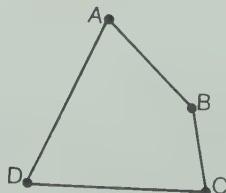
(c) 2 and 4

(d) 1 and 3

17. Which does not name a line segment shown in the drawing?

(a)  $\overline{AB}$ (b)  $\overline{CD}$ (c)  $\overline{BC}$ (d)  $\overline{DB}$ 

18. Which angle is larger than a right angle?



(a) A

(b) B

(c) C

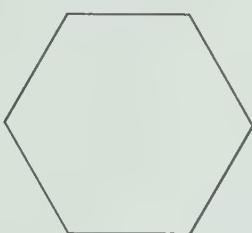
(d) D

19. Which shows an octagon?

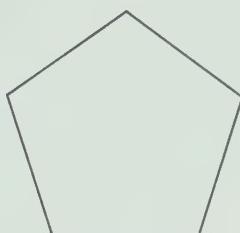
(a)



(b)



(c)



(d)



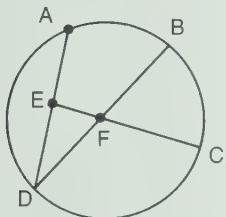
19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

20. Which names the diameter? F is the centre of the circle.

(a)  $\overline{EC}$ (b)  $\overline{DB}$ (c)  $\overline{BF}$ (d)  $\overline{AD}$ 

21. Which faces would this solid have?



(a) 2 triangles, 1 parallelogram

(b) 4 triangles, 1 square

(c) 4 triangles

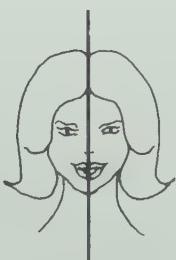
(d) 5 triangles

22. Which picture shows line symmetry?

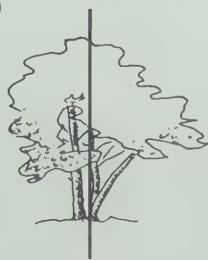
(a)



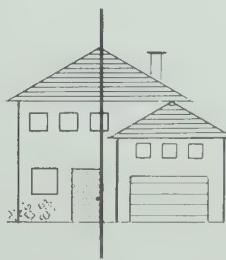
(b)



(c)

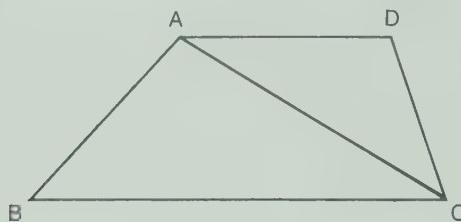


(d)



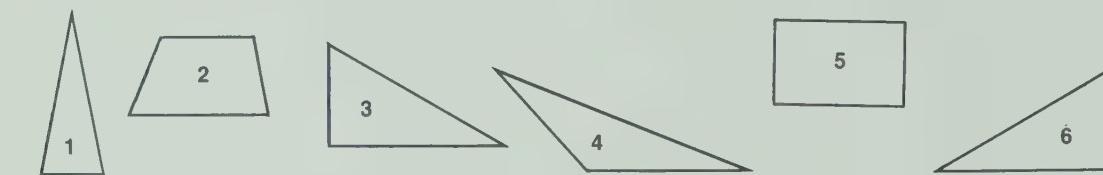
23. Which names a triangle shown in the drawing?

23. \_\_\_\_\_



- (a) ADC      (b) BAD      (c) BCD      (d) ABD

24. Which shapes are congruent?



- (a) 2 and 5      (b) 4 and 3      (c) 1 and 4      (d) 3 and 6

Multiply.

1. 
$$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$$

2. 
$$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$$

3. 
$$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$$

4. 
$$\begin{array}{r} 40 \\ \times 3 \\ \hline 120 \end{array}$$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. 
$$\begin{array}{r} 10 \\ \times 3 \\ \hline 30 \end{array}$$

6. 
$$\begin{array}{r} \$700 \\ \times 7 \\ \hline 4900 \end{array}$$

7. 
$$\begin{array}{r} 300 \\ \times 6 \\ \hline 1800 \end{array}$$

8. 
$$\begin{array}{r} 61 \\ \times 6 \\ \hline 366 \end{array}$$

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

9. 
$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

10. 
$$\begin{array}{r} 58 \\ \times 4 \\ \hline 232 \end{array}$$

11. 
$$\begin{array}{r} \$97 \\ \times 3 \\ \hline 291 \end{array}$$

12. 
$$\begin{array}{r} 942 \\ \times 7 \\ \hline 6594 \end{array}$$

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

13. 
$$\begin{array}{r} 209 \\ \times 9 \\ \hline 1881 \end{array}$$

14. 
$$\begin{array}{r} 816 \\ \times 5 \\ \hline 4080 \end{array}$$

15. 
$$\begin{array}{r} \$1.24 \\ \times 4 \\ \hline 4.96 \end{array}$$

16. 
$$\begin{array}{r} \$8.63 \\ \times 3 \\ \hline 25.89 \end{array}$$

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

Complete.

17.  $\underline{1} \times 3 = 3$

18.  $\underline{8} \times 8 = 64$

19.  $6 \times \underline{4} = 24$

20.  $7 \times \underline{6} = 42$

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

Find the result.

21.  $1 \times 7 \times 5$

22.  $2 \times 5 \times 3$

23.  $9 \times 6 \times 8$

24.  $(2 + 6) \times 4$

25.  $5 + (5 \times 9)$

26.  $100 - (4 \times 19)$

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

Solve.

27. 12 eggs are in each carton.  
How many eggs are in  
5 cartons?

28. A carton of eggs costs  
\$1.35. How much do 5  
cartons cost?

23. \_\_\_\_\_

24. \_\_\_\_\_

25. \_\_\_\_\_

26. \_\_\_\_\_

29. The cake sale had 27 angel  
food cakes. 8 egg-whites  
were used for each cake.  
How many eggs were  
needed?

30. Angel food cakes sell for  
\$4.96. How much will 7  
cakes cost?

27. \_\_\_\_\_

28. \_\_\_\_\_

29. \_\_\_\_\_

30. \_\_\_\_\_

Choose the correct answer.

1. 
$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$
 (a) 9      (b) 15      (c) 20      (d) 30      1. \_\_\_\_\_
2. 
$$\begin{array}{r} 30 \\ \times 7 \\ \hline \end{array}$$
 (a) 217      (b) 307      (c) 210      (d) 37      2. \_\_\_\_\_
3. 
$$\begin{array}{r} 600 \\ \times 2 \\ \hline \end{array}$$
 (a) 120      (b) 1200      (c) 1222      (d) 602      3. \_\_\_\_\_
4. 
$$\begin{array}{r} 91 \\ \times 4 \\ \hline \end{array}$$
 (a) 364      (b) 95      (c) 274      (d) 354      4. \_\_\_\_\_
5. 
$$\begin{array}{r} \$6.07 \\ \times 5 \\ \hline \end{array}$$
 (a) \$6.12      (b) \$3035      (c) \$30.85      (d) \$30.35      5. \_\_\_\_\_
6. 
$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$
 (a) 15      (b) 54      (c) 56      (d) 48      6. \_\_\_\_\_
7. 
$$\begin{array}{r} 60 \\ \times 9 \\ \hline \end{array}$$
 (a) 560      (b) 54      (c) 69      (d) 540      7. \_\_\_\_\_
8. 
$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$
 (a) 0      (b) 6      (c) 60      (d) no answer      8. \_\_\_\_\_
9. 
$$\begin{array}{r} 100 \\ \times 7 \\ \hline \end{array}$$
 (a) 800      (b) 7000      (c) 107      (d) 700      9. \_\_\_\_\_
10. 
$$\begin{array}{r} 40 \\ \times 8 \\ \hline \end{array}$$
 (a) 48      (b) 320      (c) 360      (d) 3200      10. \_\_\_\_\_
11. 
$$\begin{array}{r} 500 \\ \times 9 \\ \hline \end{array}$$
 (a) 450      (b) 4500      (c) 509      (d) 4000      11. \_\_\_\_\_
12. 
$$\begin{array}{r} 209 \\ \times 6 \\ \hline \end{array}$$
 (a) 1314      (b) 215      (c) 1236      (d) 1254      12. \_\_\_\_\_
13. 
$$\begin{array}{r} \$9.76 \\ \times 4 \\ \hline \end{array}$$
 (a) \$3904      (b) \$36.84      (c) \$39.04      (d) \$9.80      13. \_\_\_\_\_
14. 
$$\begin{array}{r} 763 \\ \times 4 \\ \hline \end{array}$$
 (a) 2842      (b) 2852      (c) 3052      (d) 767      14. \_\_\_\_\_
15. 
$$\begin{array}{r} \$0.78 \\ \times 7 \\ \hline \end{array}$$
 (a) \$5.46      (b) \$5.44      (c) \$546      (d) \$0.85      15. \_\_\_\_\_

16.  $9 \times \underline{\quad} = 54$       16. \_\_\_\_\_  
    (a) 6      (b) 7      (c) 45      (d) 486
17.  $7 \times \underline{\quad} = 56$       17. \_\_\_\_\_  
    (a) 8      (b) 6      (c) 7      (d) 9
18.  $\underline{\quad} \times 8 = 48$       18. \_\_\_\_\_  
    (a) 40      (b) 6      (c) 7      (d) 384
19.  $6 \times 9 \times 3$       19. \_\_\_\_\_  
    (a) 54      (b) 168      (c) 18      (d) 162
20.  $5 \times (8 - 3)$       20. \_\_\_\_\_  
    (a) 10      (b) 55      (c) 37      (d) 25
21.  $(270 + 38) \times 6$       21. \_\_\_\_\_  
    (a) 498      (b) 1908      (c) 1848      (d) 1808
22.  $4 \times 1 \times 2 \times 2$       22. \_\_\_\_\_  
    (a) 9      (b) 20      (c) 16      (d) 24
23.  $9 \times 8 \times 7 \times 0$       23. \_\_\_\_\_  
    (a) 0      (b) 504      (c) 5040      (d) 24
24.  $(1000 - 225) \times 4$       24. \_\_\_\_\_  
    (a) 100      (b) 3100      (c) 2880      (d) 3500
25. A case of motor oil has 24 cans. Joyce bought 9 cases.  
How many cans did Joyce buy?  
    (a) 33      (b) 216      (c) 206      (d) 186
26. A can of motor oil costs \$1.37. How much would 4 cans cost?  
    (a) \$4.48      (b) \$5.48      (c) \$4.28      (d) \$548
27. A box of pencils has 144 pencils. How many pencils are there  
in 6 boxes?  
    (a) 864      (b) 150      (c) 138      (d) 644

Write the complete family of facts for each group of numbers.

1. 
$$\begin{array}{r} 8 \times 5 \quad 5 \times 8 \\ \hline 8)40 \quad 5)40 \end{array}$$

2. 4, 7, and 28

Divide. Show the multiplication fact you use.

3.  $5\overline{)10}$

4.  $9\overline{)27}$

5.  $6\overline{)36}$

6.  $3\overline{)18}$

Write the quotient.

7.  $4\overline{)16}$

8.  $3\overline{)21}$

9.  $5\overline{)30}$

10.  $9\overline{)45}$

11.  $8\overline{)160}$

12.  $7\overline{)630}$

Solve.

13. The product is 72. One factor is 8. What is the other factor?

14. 7 beads go on a necklace. There are 42 beads. How many necklaces can be made?

Divide. Show the quotient and the remainder.

15.  $7\overline{)50}$

16.  $6\overline{)51}$

17.  $2\overline{)19}$

18.  $4\overline{)39}$

Solve.

19. John has 32 stamps to give away. He gives an equal number to each of 6 friends. How many stamps does each friend receive? How many are left over?

20. Each game needs 4 players. There are 35 people. How many games can be played at one time? How many people will not be able to play?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

Choose the correct answer.

1. Which shows the family of facts for 3, 8, and 24?

- |   |   |   |   |
|---|---|---|---|
| <input type="radio"/> a $3 \times 8 = 24$ | <input type="radio"/> b $24 \div 8 = 3$ | <input type="radio"/> c $24 \div 8 = 3$ | <input type="radio"/> d $3 \times 8 = 24$ |
| $8 \times 3 = 24$                         | $24 \div 6 = 4$                         | $24 \div 3 = 8$                         | $8 \times 3 = 24$                         |
| $6 \times 4 = 24$                         | $4 \times 6 = 24$                       | $3 \times 8 = 24$                       | $3 + 8 = 11$                              |
| $4 \times 6 = 24$                         | $3 \times 8 = 24$                       | $8 \times 3 = 24$                       | $8 + 3 = 11$                              |

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_  
13. \_\_\_\_\_

2. Which multiplication is used for  $9 \overline{) 27}$ ?

- a  $9 \times 4$        b  $9 \times 5$        c  $9 \times 3$        d  $9 \times 27$

3. Which is not one of the family of facts for the numbers 2, 6, and 12?

- |  |   |   |   |
|--|---|---|---|
| <input type="radio"/> a $2 \overline{) 6}$ | <input type="radio"/> b $2 \overline{) 12}$ | <input type="radio"/> c $6 \times 2 = 12$ | <input type="radio"/> d $6 \overline{) 12}$ |
|--|---|---|---|

4. Which fact completes this family of facts?

$$\begin{array}{l} 3 \times 6 = 18 \\ 6 \times 3 = 18 \\ 18 \div 6 = 3 \end{array}$$

- a  $2 \times 9 = 18$      b  $18 \div 3 = 6$      c  $18 \times 3 = 54$      d  $6 \div 3 = 2$

5. Which multiplication is used for  $7 \overline{) 28}$ ?

- a  $2 \times 14$        b  $7 \times 3$        c  $7 \times 5$        d  $7 \times 4$

6. Which multiplication is used for  $6 \overline{) 54}$ ?

- a 9       b  $6 \times 9$        c  $6 \times 54$        d  $6 \times 8$

7.  $7 \overline{) 42}$        a 5       b 8       c 7       d 6

8.  $4 \overline{) 160}$        a 25       b 4       c 40       d 140

9.  $7 \overline{) 50}$        a 7 R1       b 8 R2       c 7 R3       d 1 R7

10.  $6 \overline{) 24}$        a 30       b 8       c 3       d 4

11.  $9 \overline{) 360}$        a 12       b 40       c 10       d 4

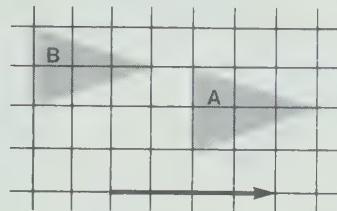
12.  $3 \overline{) 12}$        a 36       b 15       c 4       d 3

13.  $3 \overline{) 23}$        a 7 R2       b 5 R3       c 7 R3       d 2 R7

14.  $7 \overline{) 630}$       (a) 90      (b) 9      (c) 80      (d) 70      14. \_\_\_\_\_
15.  $6 \overline{) 40}$       (a) 4 R6      (b) 240      (c) 7      (d) 6 R4      15. \_\_\_\_\_
16. Larry builds 8 ship models each year. He now has 24 models. How many years has it taken Larry to complete them all?      17. \_\_\_\_\_  
18. \_\_\_\_\_
- (a) 16      (b) 2      (c) 3      (d) 4
17. Larry has 5 shelves on which to display his 24 models. If he puts the same number on each shelf, how many will be left over?  
(a) 0      (b) 4      (c) 5      (d) 2
18. 48 children are to form 8 teams equal in size. How many will be on each team?  
(a) 6      (b) 40      (c) 384      (d) 7

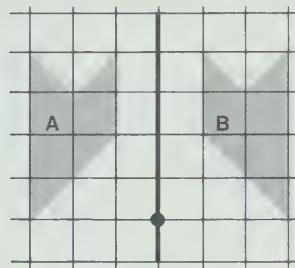
Use tracing paper to test the following.

1. Is shape A the slide image of shape B using the given slide arrow?

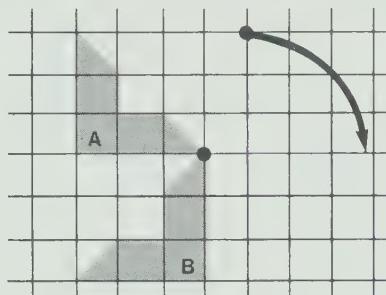


1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

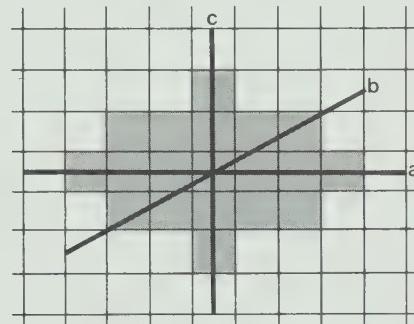
2. Is shape A the flip image of shape B, using the given flip line?



3. Is shape A the turn image of shape B, using the given turn centre and turn arrow?



4. Which of the lines a, b, and c are lines of symmetry?

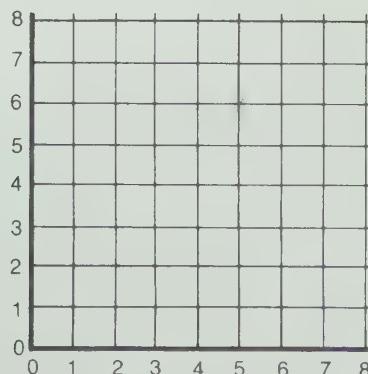


Use the grid at the right. Draw a point for each number pair.

5. (1,2) Call this A.

5.-8.

6. (1,6) Call this B.



7. (5,6) Call this C.

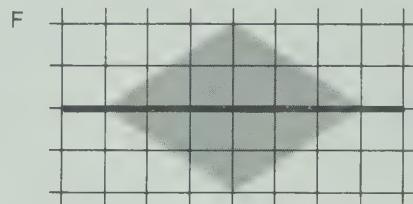
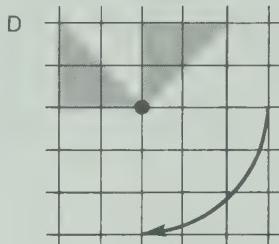
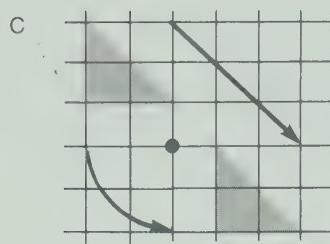
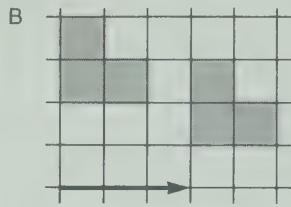
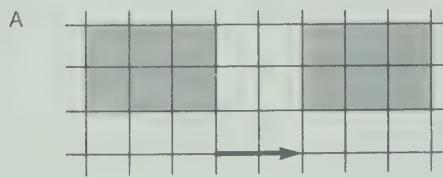
8. (5,2) Call this D.

Connect your points to form a polygon.

9. What kind of polygon is ABCD?

9. \_\_\_\_\_

Use these pictures for exercises 1 to 4.



1. Which picture shows a slide image for the slide arrow shown?

- (a) A      (b) B      (c) C      (d) E

2. Which picture shows a flip image for the flip line shown?

- (a) A      (b) C      (c) D      (d) E

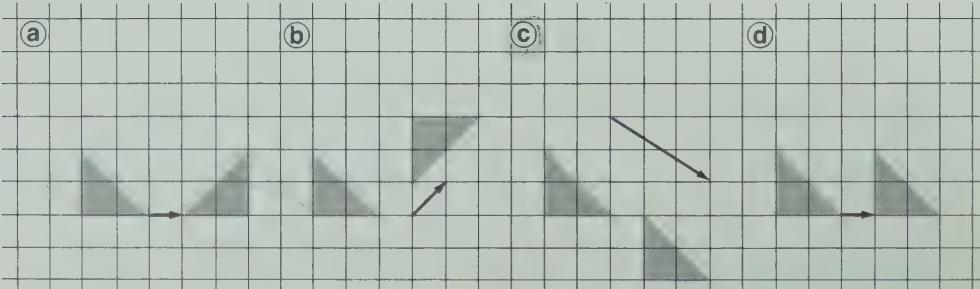
3. Which picture shows a turn image for the turn centre and turn arrow shown?

- (a) B      (b) C      (c) D      (d) E

4. Which picture shows a line of symmetry?

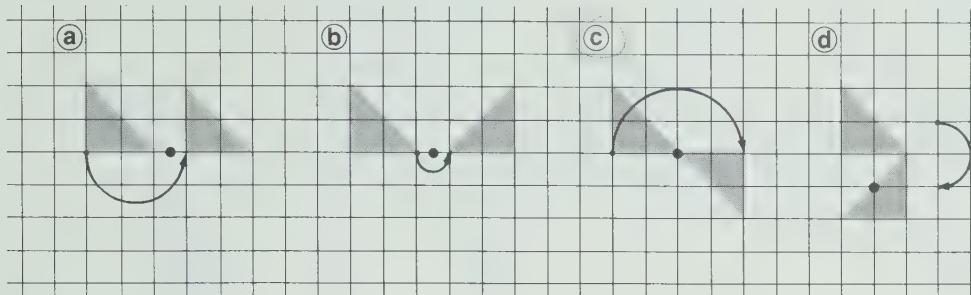
- (a) B      (b) C      (c) D      (d) F

5. Which picture shows a slide image for the slide arrow shown?

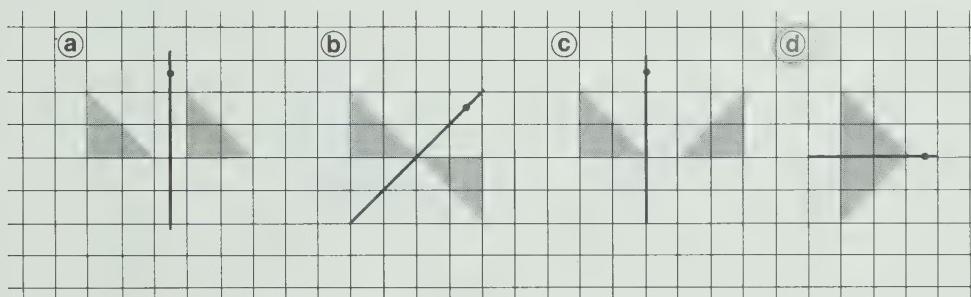


6. Which picture shows a turn image for the turn centre and turn arrow shown?

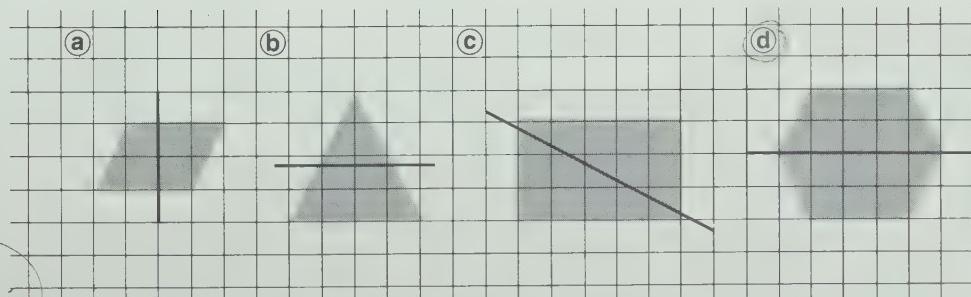
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_



7. Which picture shows a flip image for the flip line shown?



8. Which picture shows a line of symmetry?

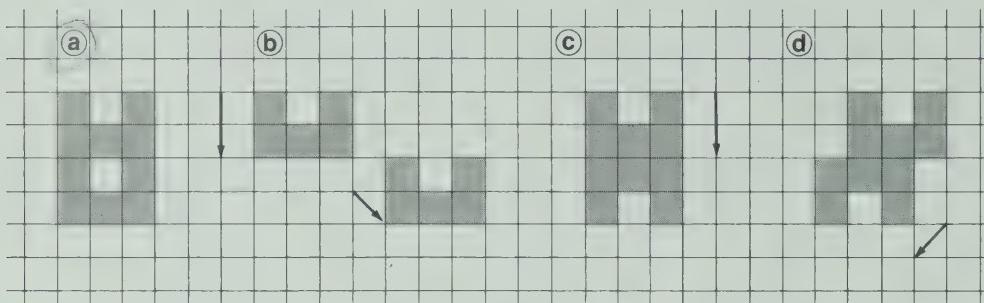


9. Which picture shows a slide image for the slide arrow shown?

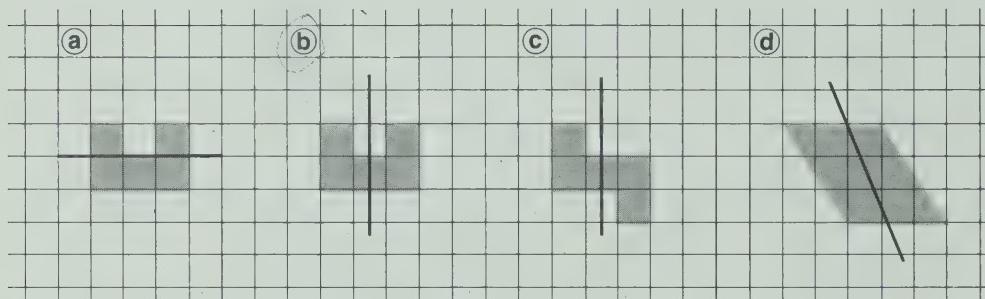
9. \_\_\_\_\_

10. \_\_\_\_\_

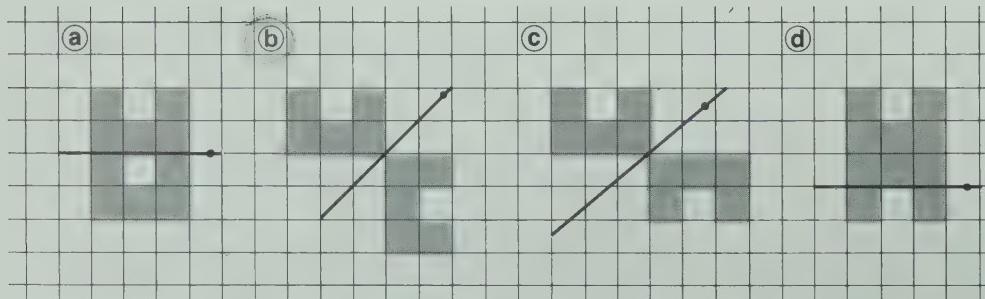
11. \_\_\_\_\_



10. Which picture shows a line of symmetry?

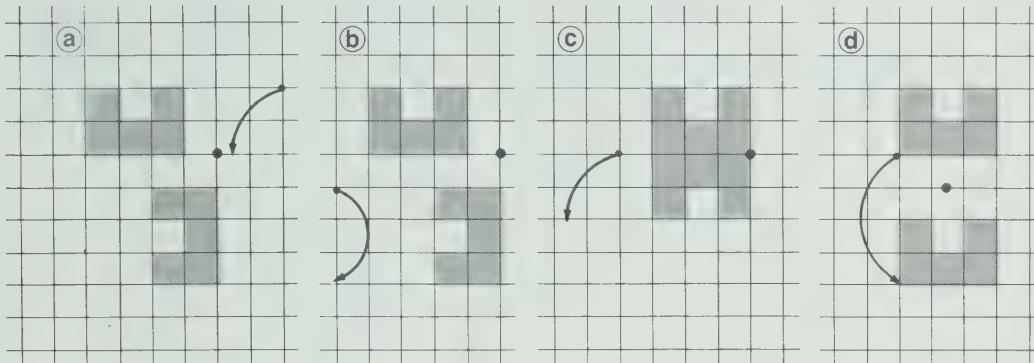


11. Which picture shows a flip image for the flip line shown?

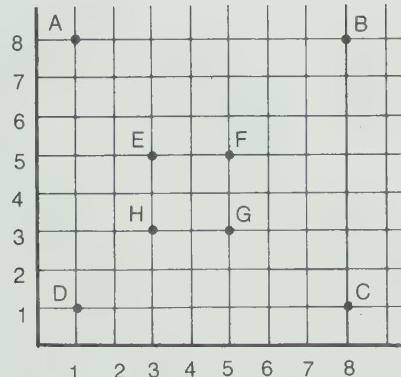


12. Which picture shows a turn image for the turn centre and turn arrow shown?

12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_  
15. \_\_\_\_\_



Use this grid for exercises 13 to 15.



13. Which number pair names point C?

(a) (8,8)      (b) (8,1)      (c) (1,8)      (d) (8,0)

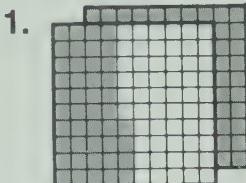
14. Which letter names the point (5,3) on the grid?

(a) G      (b) F      (c) H      (d) E

15. Draw  $(3,3) \rightarrow (1,1) \rightarrow (8,1) \rightarrow (3,3)$ . Which polygon did you draw?

(a) quadrilateral HGCD      (b) triangle HDC  
(c) triangle HGC      (d) triangle HDA

Write a decimal to match the picture.



1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Write a decimal for the point marked with an arrow.



4. \_\_\_\_\_  
5. \_\_\_\_\_

Write the words.

Write as a two-place decimal.

3. 5.01      4. 0.3

5. 8.2

6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

Complete.

6. 0.78 shows \_\_\_\_\_ tenths 8 hundredths, or \_\_\_\_\_ hundredths.

9. \_\_\_\_\_

7. 3 dollars 35 pennies are worth \$\_\_\_\_\_.

10. \_\_\_\_\_

8. Seventeen dimes and two pennies are worth \$\_\_\_\_\_.

11. \_\_\_\_\_

List these numbers in order from greatest to least.

9. 4.19, 0.94, 4.91, 0.41, 1.49

12. \_\_\_\_\_

Add.

10.  $\begin{array}{r} 6.8 \\ + 1.7 \\ \hline \end{array}$

11.  $\begin{array}{r} 1.49 \\ + 1.51 \\ \hline \end{array}$

12.  $\begin{array}{r} 3.56 \\ + 0.03 \\ \hline 0.72 \end{array}$

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

Subtract.

13.  $\begin{array}{r} 5.1 \\ - 4.9 \\ \hline \end{array}$

14.  $\begin{array}{r} 1.93 \\ - .85 \\ \hline \end{array}$

15.  $\begin{array}{r} 3.04 \\ - 1.35 \\ \hline \end{array}$

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

Multiply.

16.  $\begin{array}{r} 0.3 \\ \times 7 \\ \hline \end{array}$

17.  $\begin{array}{r} 2.8 \\ \times 3 \\ \hline \end{array}$

18.  $\begin{array}{r} 3.6 \\ \times 1.5 \\ \hline \end{array}$

19.  $\begin{array}{r} 1.5 \\ \times 7.1 \\ \hline \end{array}$

Round each to the nearest whole number.

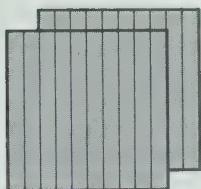
18. 3.6

19. 1.5

20. 7.1

Choose the correct answer.

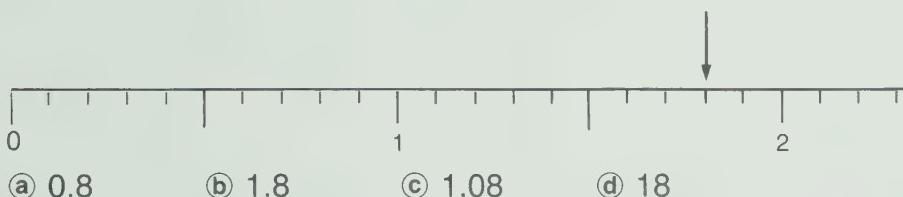
1. Which decimal matches the picture?



- (a) 0.7      (b) 2.3      (c) 2.7      (d) 2.07

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_

2. Which decimal names the point marked with an arrow?



- (a) 0.8      (b) 1.8      (c) 1.08      (d) 18

3. Which is a decimal for seventeen and seven-hundredths?

- (a) 17.7      (b) 1.77      (c) 17.07      (d) 0.17

4. Which shows 0.4 as a two-place decimal?

- (a) 0.04      (b) 4.00      (c) 40.      (d) 0.40

5. Which shows 2.70 as a one-place decimal?

- (a) 2.1      (b) 27.0      (c) 2.7      (d) 0.27

6. 16.08 shows \_\_\_\_\_ tenths.

- (a) 1      (b) 6      (c) 0      (d) 8

7. 2 dollars 15 dimes are worth \_\_\_\_\_ .

- (a) \$3.50      (b) \$2.50      (c) \$2.15      (d) \$3.15

8. 3 dimes 16 pennies have the same value as  
\_\_\_\_\_ dimes 6 pennies.

- (a) 19      (b) 5      (c) 4      (d) 13

9. Which is not a true statement?

- (a)  $1.70 < 1.90$       (b)  $1.70 < 1.97$   
(c)  $1.70 < 1.09$       (d)  $1.70 < 1.79$

10. Which list shows the numbers in order from greatest to least?

- (a) 4.91  
4.82  
4.08  
4.70  
4.68

- (b) 4.08  
4.68  
4.70  
4.82  
4.91

- (c) 4.91  
4.82  
4.70  
4.68  
4.08

- (d) 4.68  
4.08  
4.82  
4.91  
4.70

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

11. Which shows 5.8 rounded to the nearest whole number?

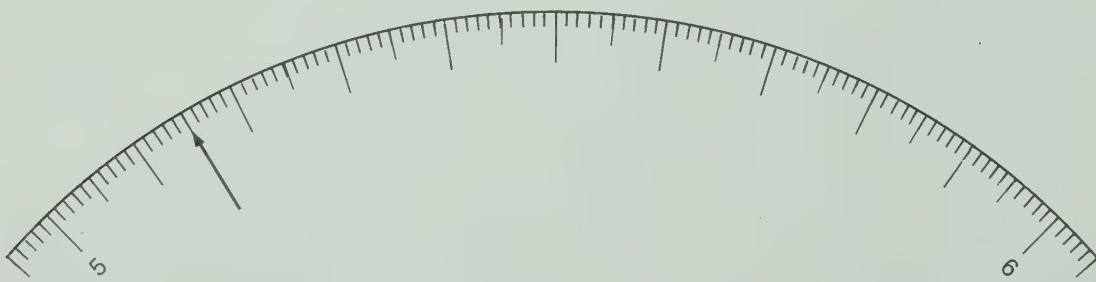
- (a) 5      (b) 9      (c) 6      (d) 8

12. Which decimal matches the picture?



- (a) 1.6      (b) 1.06      (c) 0.06      (d) 1.60

13. Which decimal names the point marked with an arrow?



- (a) 0.15      (b) 1.5      (c) 5.15      (d) 5.2

14. Which words name 13.2?

- (a) one hundred thirty-two      (b) thirteen and two-hundredths  
(c) thirty-one and two tenths      (d) thirteen and two-tenths

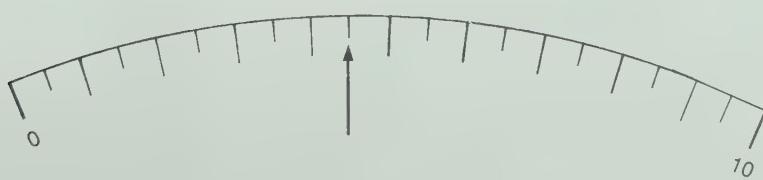
15. Which shows 3.6 as a two-place decimal?

- (a) 3.60      (b) 3.06      (c) 0.36      (d) 36.

16. Which shows 0.30 as a one-place decimal?

- (a) 0.03      (b) 3.0      (c) 30.0      (d) 0.3

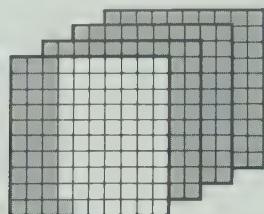
17. 3.09 shows \_\_\_\_\_ hundredths.
- (a) 90      (b) 9      (c) 39      (d) 0
18. 4 dollars 8 dimes and 6 pennies are worth \_\_\_\_\_ .
- (a) \$4.68      (b) \$48.60      (c) \$486      (d) \$4.86
19. Which have the same value as 2 dollars 11 dimes and 14 pennies?
- (a) 3 dollars 12 dimes and 4 pennies  
(b) 2 dollars 2 dimes and 4 pennies  
(c) 3 dollars 2 dimes and 4 pennies  
(d) 3 dollars 1 dime and 4 pennies
20. Which is a true statement?
- (a)  $14.02 > 14.20$       (b)  $14.20 > 41.02$   
(c)  $14.2 < 14.02$       (d)  $14.02 < 14.20$
21. Which list shows the numbers in order from least to greatest?
- |   |   |   |   |
|---|---|---|---|
| (a) \$45.00<br>\$ 5.40<br>\$ 5.04<br>\$ 4.50<br>\$ 4.05 | (b) \$45.00<br>\$ 5.40<br>\$ 4.50<br>\$ 5.04<br>\$ 4.05 | (c) \$ 4.05<br>\$ 4.50<br>\$ 5.40<br>\$ 5.04<br>\$45.00 | (d) \$ 4.05<br>\$ 4.50<br>\$ 5.04<br>\$ 5.40<br>\$45.00 |
|---|---|---|---|
22. Which decimal rounds to 4 as the nearest whole number?
- (a) 4.5      (b) 3.5      (c) 4.8      (d) 3.4
23. Which decimal names the point marked with an arrow?



- (a) 4.5      (b) 9      (c) 0.45      (d) 45.0

24. Which shows 4.8 as a two-place decimal?  
Ⓐ 0.48   Ⓑ 4.08   Ⓒ 0.80   Ⓓ 4.80

25. Which decimal matches the picture?



26. Which words name 10.03?  
Ⓐ one hundred three   Ⓑ ten and three-hundredths  
Ⓒ ten and thirty-hundredths   Ⓓ one thousand three

27. 3.50 shows \_\_\_\_ tenths.

- Ⓐ 0   Ⓑ 5   Ⓒ 3   Ⓓ 50

28. Which shows 3.90 as a one-place decimal?

- Ⓐ 3.9   Ⓑ 3.09   Ⓒ 39.0   Ⓓ 390.

29. 7 dollars and 9 pennies are worth \_\_\_\_.

- Ⓐ \$7.90   Ⓑ \$7.09   Ⓒ \$70.90   Ⓓ \$709

30. Which is a true statement?

- Ⓐ  $3.14 < 3.41$    Ⓑ  $3.14 > 3.41$   
Ⓒ  $3.41 > 4.13$    Ⓓ  $1.34 > 1.43$

31. Which list shows the numbers in order from greatest to least?

- |   |   |   |   |
|---|---|---|---|
| Ⓐ 13.02<br>13.20<br>21.30<br>23.10<br>31.02 | Ⓑ 31.02<br>23.10<br>21.30<br>13.20<br>13.02 | Ⓒ 13.02<br>31.02<br>21.30<br>13.20<br>23.10 | Ⓓ 31.02<br>23.10<br>21.30<br>13.02<br>13.20 |
|---|---|---|---|

32. Which have the same value as 14 dimes and 7 pennies? 32. \_\_\_\_\_  
(a) 1 dollar 4 dimes and 7 pennies      (b) 4 dimes and 17 pennies  
(c) 1 dollar 14 dimes and 7 pennies      (d) 14 dollars and 7 pennies
33. Which decimal does not round to 8 as the nearest whole number? 33. \_\_\_\_\_  
(a) 8.7      (b) 7.8      (c) 8.1      (d) 7.5
34. 
$$\begin{array}{r} 9.5 \\ + 1.6 \\ \hline \end{array}$$
 34.      (a) 11.1      (b) 10.1      (c) 1.11      (d) 10.11 35.      36.      37.      38.      39.      40.      41.      42.
35. 
$$\begin{array}{r} 2.7 \\ - 1.8 \\ \hline \end{array}$$
36. 
$$\begin{array}{r} 5.7 \\ \times 3 \\ \hline \end{array}$$
37. 
$$\begin{array}{r} 7.00 \\ - 4.68 \\ \hline \end{array}$$
38. 
$$\begin{array}{r} 1.6 \\ \times 5 \\ \hline \end{array}$$
39. 
$$\begin{array}{r} 7.4 \\ \times 8 \\ \hline \end{array}$$
40. 
$$\begin{array}{r} 5.33 \\ + 13.08 \\ \hline \end{array}$$
41. 
$$\begin{array}{r} 81.14 \\ - 17.39 \\ \hline \end{array}$$
42. 
$$\begin{array}{r} 4.14 \\ 0.38 \\ + 17.29 \\ \hline \end{array}$$

Use a centimetre ruler to measure the line segment. Give its length in centimetres.



Write the number that completes each sentence.

2.  $372 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

3.  $0.6 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

4.  $5 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

5.  $150 \text{ cm} = \underline{\hspace{2cm}} \text{ dm}$

6.  $10 \text{ dm} = \underline{\hspace{2cm}} \text{ m}$

7.  $2000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

Which unit, the centimetre, the metre, or the kilometre would be best for measuring each of these?

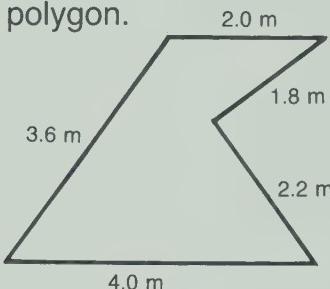
8. the height from floor to ceiling

9. the length of your thumb

10. the distance from Ottawa to Winnipeg

Find the perimeter of this polygon.

11.

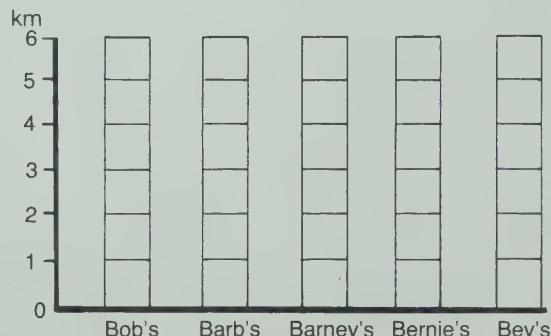


Solve.

12. A rectangle has one side 350 cm long. It has another side 100 cm long. What is its perimeter?

13. Shade to complete the bar graph using the given information.

School is 5 km from Bob's house, 3 km from Barb's, 4 km from Barney's, 1 km from Bernie's, and 6 km from Bev's.



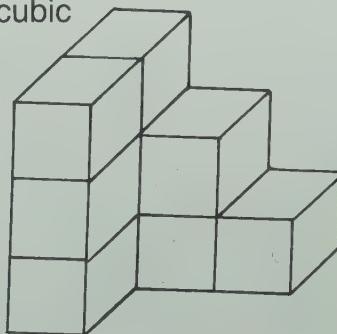
Give the area in square centimetres.

14.



Give the volume in cubic centimetres.

15.



1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

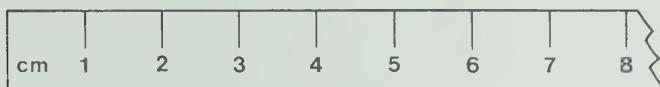
13. Show your answer on the graph.

14. \_\_\_\_\_

15. \_\_\_\_\_

Choose the correct answer.

1. How long is this paper clip?

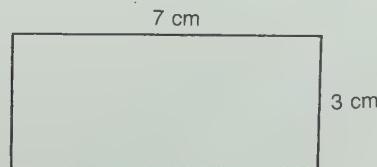


- (a) 4 cm      (b) 40 cm      (c) 0.4 cm      (d) 4 dm
2.  $8 \text{ km} = \underline{\hspace{2cm}}$  m  
(a) 8000      (b) 800      (c) 80      (d) 800.0
3.  $1.24 \text{ m} = \underline{\hspace{2cm}}$  cm  
(a) 124      (b) 12.4      (c) 0.124      (d) 1240
4.  $55 \text{ dm} = \underline{\hspace{2cm}}$  m  
(a) 0.55      (b) 5.5      (c) 55.0      (d) 550

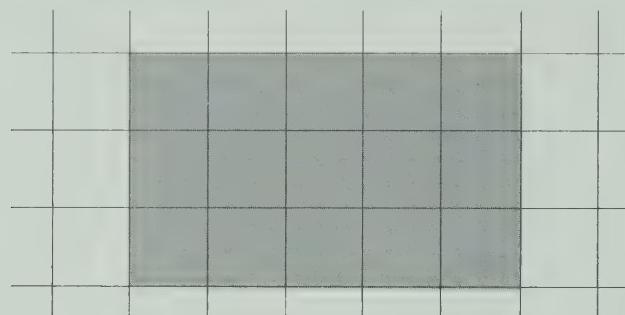
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_

Which unit would be best for measuring each?

5. the distance from Halifax to Tokyo, Japan  
(a) centimetre      (b) decimetre      (c) metre      (d) kilometre
6. the length of your classroom  
(a) centimetre      (b) metre      (c) square metre      (d) kilometre
7. the width of a dollar bill  
(a) kilometre      (b) centimetre      (c) metre      (d) gram
8. Which is the perimeter of this rectangle?  
(a) 10 cm      (b) 21 cm      (c) 20 cm      (d) 16 cm



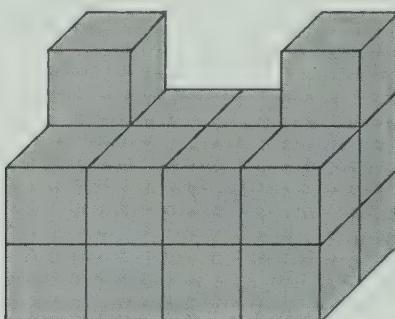
9. Which is the area of this shape?



- (a)  $8 \text{ cm}^2$    (b)  $15 \text{ cm}^2$    (c)  $16 \text{ cm}^2$    (d)  $5 \text{ cm}^2$

9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_  
13. \_\_\_\_\_

10. Which is the volume of this shape in cubic centimetres?

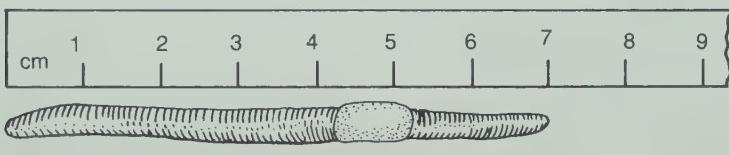


- (a) 16   (b) 24   (c) 18   (d) 17

11. Which is the perimeter of a square with sides 6 m long?

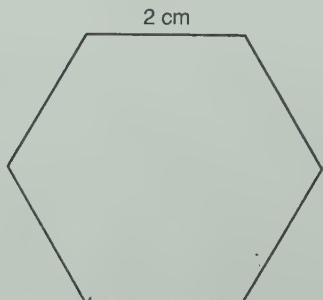
- (a) 36 m   (b) 6 m   (c) 24 m   (d) 12 m

12. How long is the earthworm?



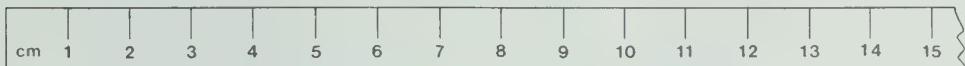
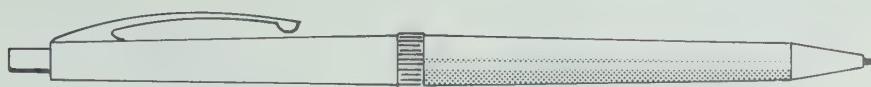
- (a) 0.7 cm   (b) 70 cm   (c) 7 dm   (d) 7 cm

13. Which is the perimeter of this regular (all sides equal) hexagon?



- (a) 2 cm   (b) 8 cm   (c) 12 cm   (d) 12 m

14. How long is this pen?



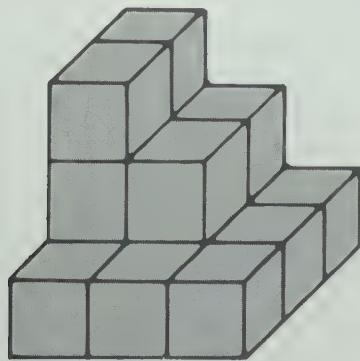
- (a) 1.4 cm    (b) 140 cm    (c) 14 cm    (d) 14 dm

15. Which is the area of this shape?



- (a)  $16 \text{ cm}^2$     (b)  $32 \text{ cm}^2$     (c)  $20 \text{ cm}^2$     (d)  $12 \text{ cm}^2$

16. Which is the volume of this shape in cubic centimetres?



- (a) 10    (b) 22    (c) 14    (d) 15

17. A field has sides 2.8 km, 2.1 km, 2.6 km, and 1.9 km in length.  
Which is the perimeter of the field?

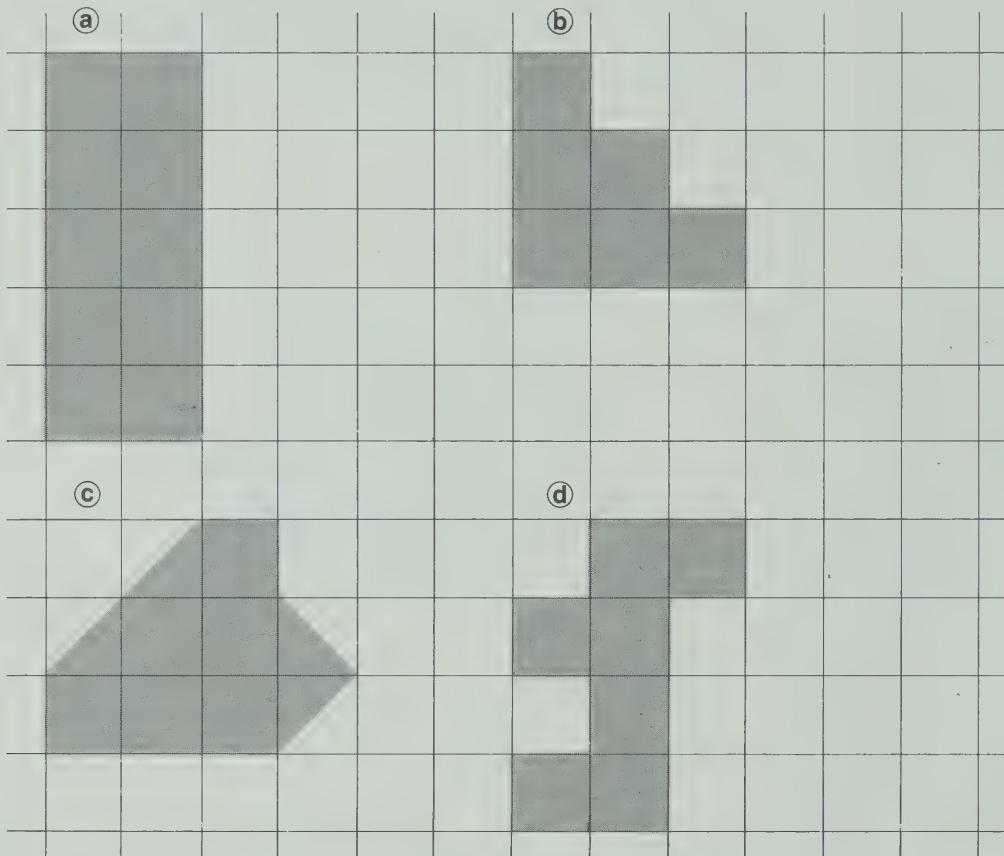
(a) 7.4 km    (b) 94 km    (c) 8.4 km    (d) 9.4 km

17. \_\_\_\_\_

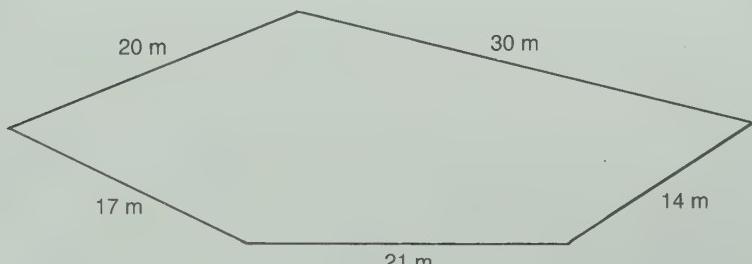
18. \_\_\_\_\_

19. \_\_\_\_\_

18. Which shape has an area of  $7 \text{ cm}^2$ ?

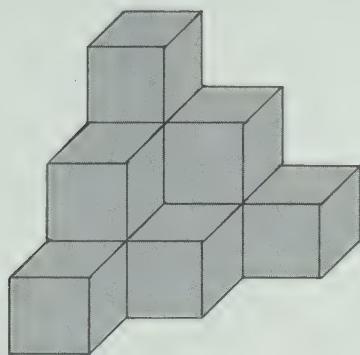


19. Which is the perimeter of this shape?



(a) 102 m    (b) 92 m    (c) 912 m    (d) 100 m

20. Which is the volume of this shape in cubic centimetres?



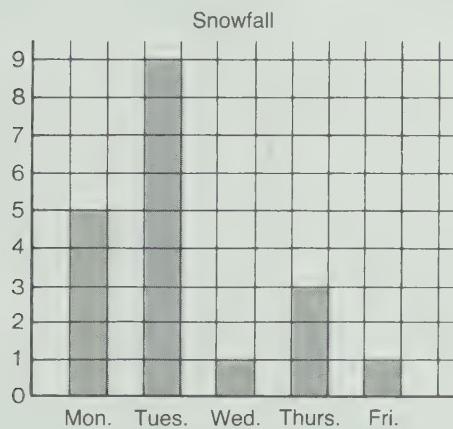
20. \_\_\_\_\_  
21. \_\_\_\_\_  
22. \_\_\_\_\_  
23. \_\_\_\_\_  
24. \_\_\_\_\_

- (a) 10      (b) 6      (c) 18      (d) 8

21. The floor of a rabbit's pen is the shape of a rectangle. It is 5.5 m long and 3.2 m wide. Which is its perimeter?

- (a) 8.7 m      (b) 17.4 m      (c) 16.4 m      (d) 174 m

Use this graph for exercises 22 to 24.



22. Which day had the greatest snowfall?

- (a) Friday      (b) Thursday      (c) Tuesday      (d) Monday

23. How much was the snowfall on Friday?

- (a) 10 cm      (b) 5 cm      (c) 0 cm      (d) 1 cm

24. How many days had snowfall greater than Friday's?

- (a) 4      (b) 3      (c) 5      (d) 2

Choose the best estimate for the product.

1.  $783 \times 9$

720
7200
8000

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

Round the two-digit number to the nearest ten.

Then multiply to estimate the product.

2.  $5 \times 46$

Round the three-digit number to the nearest hundred.

Then multiply to estimate the product.

3.  $7 \times 234$

Multiply.

4.  $4 \times 521$

5.  $3 \times 87$

6.  $8 \times 207$

7.  $2 \times 62$

8.  $30 \times 69$

9.  $40 \times 200$

10.  $\begin{array}{r} 52 \\ \times 70 \\ \hline \end{array}$

11.  $\begin{array}{r} 615 \\ \times 90 \\ \hline \end{array}$

12.  $\begin{array}{r} 74 \\ \times 14 \\ \hline \end{array}$

13.  $\begin{array}{r} 38 \\ \times 25 \\ \hline \end{array}$

14.  $\begin{array}{r} 109 \\ \times 32 \\ \hline \end{array}$

15.  $\begin{array}{r} 476 \\ \times 65 \\ \hline \end{array}$

16.  $\begin{array}{r} \$1.39 \\ \times 40 \\ \hline \end{array}$

17.  $\begin{array}{r} \$6.80 \\ \times 18 \\ \hline \end{array}$

Solve.

18. The ferry can carry 79 passengers. How many can ride in 28 trips?

19. Tickets cost \$18. How much do 17 tickets cost?

20. The ferry uses 235 L of gasoline to make a trip. How many litres of gasoline will it use in the 28 trips it makes each week?

Choose the correct answer.

1. Which is the best estimate?

$$\begin{array}{r} 49 \\ \times 7 \\ \hline \end{array}$$

(a) 280      (b) 350      (c) 630      (d) 2800

2. Which is the best estimate?

$$\begin{array}{r} 807 \\ \times 9 \\ \hline \end{array}$$

(a) 6300      (b) 7200      (c) 720      (d) 8000

3. Which is the best estimate?

$$\begin{array}{r} 612 \\ \times 5 \\ \hline \end{array}$$

(a) 3500      (b) 300      (c) 3000      (d) 6000

4.  $\begin{array}{r} 23 \\ \times 4 \\ \hline \end{array}$  (a) 92      (b) 82      (c) 96      (d) 812

5.  $\begin{array}{r} 183 \\ \times 3 \\ \hline \end{array}$  (a) 349      (b) 549      (c) 949      (d) 539

6.  $\begin{array}{r} 52 \\ \times 30 \\ \hline \end{array}$  (a) 1506      (b) 82      (c) 1560      (d) 1562

7.  $\begin{array}{r} 296 \\ \times 60 \\ \hline \end{array}$  (a) 356      (b) 12 460      (c) 17 766      (d) 17 760

8.  $\begin{array}{r} 54 \\ \times 41 \\ \hline \end{array}$  (a) 270      (b) 2114      (c) 95      (d) 2214

9.  $\begin{array}{r} 501 \\ \times 78 \\ \hline \end{array}$  (a) 39 858      (b) 7515      (c) 3978      (d) 39 078

10.  $\begin{array}{r} 73 \\ \times 8 \\ \hline \end{array}$  (a) 564      (b) 81      (c) 5624      (d) 584

11.  $\begin{array}{r} 407 \\ \times 6 \\ \hline \end{array}$  (a) 2502      (b) 413      (c) 2442      (d) 2402

12.  $\begin{array}{r} 86 \\ \times 20 \\ \hline \end{array}$  (a) 172      (b) 160      (c) 1620      (d) 1720

13.  $\begin{array}{r} 700 \\ \times 70 \\ \hline \end{array}$  (a) 49 000      (b) 4900      (c) 14 000      (d) 490

14.  $\begin{array}{r} 64 \\ \times 9 \\ \hline \end{array}$  (a) 576      (b) 546      (c) 816      (d) 73

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15.  $\begin{array}{r} \$2.16 \\ \times \quad 50 \\ \hline \end{array}$

- (a) \$105.00   (b) \$108.00   (c) \$10.80   (d) \$52.16

15. \_\_\_\_\_

16.  $\begin{array}{r} 576 \\ \times \quad 8 \\ \hline \end{array}$

- (a) 4068   (b) 4608   (c) 584   (d) 4588

16. \_\_\_\_\_

17.  $\begin{array}{r} 87 \\ \times 62 \\ \hline \end{array}$

- (a) 5394   (b) 5094   (c) 696   (d) 4984

17. \_\_\_\_\_

18.  $\begin{array}{r} \$6.46 \\ \times \quad 35 \\ \hline \end{array}$

- (a) \$41.46   (b) \$22 610   (c) \$238.10   (d) \$226.10

18. \_\_\_\_\_

19.  $\begin{array}{r} 78 \\ \times 40 \\ \hline \end{array}$

- (a) 312   (b) 3120   (c) 2820   (d) 280

19. \_\_\_\_\_

20.  $\begin{array}{r} 734 \\ \times \quad 23 \\ \hline \end{array}$

- (a) 16 882   (b) 16 872   (c) 3670   (d) 14 612

21.  $\begin{array}{r} 92 \\ \times 76 \\ \hline \end{array}$

- (a) 6312   (b) 1196   (c) 6992   (d) 6882

21. \_\_\_\_\_

22. You save \$7.50 a week out of your summer earnings.

How much do you save in 8 weeks?

- (a) \$15.50   (b) \$56.00   (c) \$60.00   (d) \$56.50

23. A jet airliner holds 429 passengers. How many passengers can it carry on 11 trips?

- (a) 4719   (b) 858   (c) 4619   (d) 440

24. 87 airplanes land each day. How many land in 30 d (days)?

- (a) 117   (b) 240   (c) 2610   (d) 2410

Write the quotient.

1.  $7\overline{)42}$

2.  $9\overline{)18}$

3.  $6\overline{)30}$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

Write the quotient and the remainder.

4.  $9\overline{)75}$

5.  $6\overline{)50}$

6.  $8\overline{)25}$

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

Divide.

7.  $7\overline{)70}$

8.  $4\overline{)48}$

9.  $5\overline{)75}$

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

21. \_\_\_\_\_

22. \_\_\_\_\_

23. \_\_\_\_\_

24. \_\_\_\_\_

25. \_\_\_\_\_

Divide. Write the remainder after the quotient.

19.  $7\overline{)937}$

20.  $4\overline{)502}$

Solve.

21. 60 stamps were to be shared equally by 5 friends. How many stamps did each get?

22. 249 rocks were to be divided equally among 3 science classes. How many rocks were given to each class?

23. 8 chairs cost \$296. They cost the same amount each. How much did one chair cost?

Find the average.

24. Paul scored 84 points in 7 games.

25. Carol collected \$348 for magazine subscriptions in 4 days.

Choose the correct answer.

- |                          |            |            |            |            |           |
|--------------------------|------------|------------|------------|------------|-----------|
| 1. $4 \overline{) 24}$   | (a) 4      | (b) 21     | (c) 8      | (d) 6      | 1. _____  |
| 2. $9 \overline{) 74}$   | (a) 8 R2   | (b) 2 R8   | (c) 7 R11  | (d) 8      | 2. _____  |
| 3. $9 \overline{) 90}$   | (a) 1      | (b) 10     | (c) 100    | (d) 9      | 3. _____  |
| 4. $2 \overline{) 64}$   | (a) 37     | (b) 32     | (c) 23     | (d) 42     | 4. _____  |
| 5. $9 \overline{) 54}$   | (a) 7      | (b) 486    | (c) 6      | (d) 63     | 5. _____  |
| 6. $4 \overline{) 80}$   | (a) 320    | (b) 2      | (c) 21     | (d) 20     | 6. _____  |
| 7. $7 \overline{) 47}$   | (a) 7      | (b) 6      | (c) 5 R6   | (d) 6 R5   | 7. _____  |
| 8. $3 \overline{) 69}$   | (a) 207    | (b) 23     | (c) 20     | (d) 22     | 8. _____  |
| 9. $3 \overline{) 90}$   | (a) 30     | (b) 3      | (c) 31     | (d) 270    | 9. _____  |
| 10. $6 \overline{) 36}$  | (a) 6      | (b) 9      | (c) 216    | (d) 42     | 10. _____ |
| 11. $4 \overline{) 26}$  | (a) 6      | (b) 6 R2   | (c) 2 R6   | (d) 7 R2   | 11. _____ |
| 12. $4 \overline{) 848}$ | (a) 202    | (b) 212    | (c) 211    | (d) 21     | 12. _____ |
| 13. $6 \overline{) 96}$  | (a) 11     | (b) 12 R4  | (c) 16     | (d) 19     | 13. _____ |
| 14. $2 \overline{) 814}$ | (a) 47     | (b) 402    | (c) 407    | (d) 412    | 14. _____ |
| 15. $5 \overline{) 105}$ | (a) 501    | (b) 25     | (c) 20     | (d) 21     | 15. _____ |
| 16. $8 \overline{) 904}$ | (a) 115 R2 | (b) 113    | (c) 102    | (d) 11 R6  | 16. _____ |
| 17. $5 \overline{) 80}$  | (a) 400    | (b) 1 R3   | (c) 16     | (d) 14     | 17. _____ |
| 18. $8 \overline{) 248}$ | (a) 421    | (b) 38     | (c) 30     | (d) 31     | 18. _____ |
| 19. $3 \overline{) 942}$ | (a) 310 R2 | (b) 2826   | (c) 314    | (d) 312    | 19. _____ |
| 20. $4 \overline{) 857}$ | (a) 212 R1 | (b) 215 R3 | (c) 214 R1 | (d) 211 R3 | 20. _____ |
| 21. $3 \overline{) 189}$ | (a) 63     | (b) 603    | (c) 323    | (d) 61     | 21. _____ |
| 22. $3 \overline{) 84}$  | (a) 28     | (b) 21 R1  | (c) 252    | (d) 27     | 22. _____ |
| 23. $4 \overline{) 828}$ | (a) 27     | (b) 207    | (c) 222    | (d) 202    | 23. _____ |

24.  $7 \overline{)399}$       (a) 57      (b) 59      (c) 51      (d) 52 R5      24. \_\_\_\_\_
25. The total mass of six students is 234 kg. Which is the average mass?  
(a) 1404 kg    (b) 38 kg    (c) 36 kg    (d) 39 kg      25. \_\_\_\_\_  
26. There are 426 bottles of pop. 6 bottles are in one carton.  
How many cartons are there?  
(a) 701      (b) 70      (c) 131      (d) 71      26. \_\_\_\_\_  
27. 28.      29.      30. \_\_\_\_\_
27. The basketball team scored 266 points in 7 games. Which is the average points per game?  
(a) 30 R6    (b) 39    (c) 38    (d) 40      27. \_\_\_\_\_
28. 812 books were equally shared by 4 schools. How many books did each school get?  
(a) 23      (b) 203      (c) 242      (d) 808      28. \_\_\_\_\_
29. Aunt Laura has 252 valuable stamps in her collection.  
She places exactly 9 stamps on each page in her stamp book.  
How many pages does she use?  
(a) 28      (b) 27      (c) 29      (d) 2268      29. \_\_\_\_\_
30. 30. 5 bicycles cost \$205 to repair. Which was the average cost?  
(a) \$41      (b) \$40      (c) \$200      (d) \$39      30. \_\_\_\_\_

Do you measure length, mass, capacity, or time to find

1. how heavy a cup is?      2. how much milk the cup will hold?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

Choose the best estimate for

3. the amount of juice in a glass. → 1 mL    500 mL    1 L

4. the mass of an acorn. → 1 g    500 g    1 kg

5. the length of a baseball bat. → 1 mm    1 cm    1 m

6. bedtime. → 07:30    19:45    23:00

Choose the unit that best completes each sentence.

7. The cookies baked in 12 \_\_\_\_.

mm	cm	m	km
g	kg	mL	L
s	min	h	d

8. The pie's diameter is 254 \_\_\_\_.

9. The button has a mass of 2 \_\_\_\_.

10. The punchbowl contains 5 \_\_\_\_ of punch.

11. My bracelet is 20 \_\_\_\_ long.

Show your answer on the graph.

Complete.

12.  $3 \text{ min} = \underline{\quad} \text{ s}$

13.  $50 \text{ h} = \underline{\quad} \text{ d} \underline{\quad} \text{ h}$

14. 60 d is the same as \_\_\_\_ weeks and \_\_\_\_ d.

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

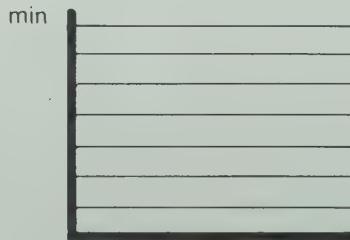
20. \_\_\_\_\_

Answer.

15. Pauline started her math project at 11:30 a.m. on Saturday. She took 1 hour and 40 minutes to finish it. What time was she finished?

Show this information on the graph.

16. Time it takes Andy to get to school:  
Monday 20 min, Tuesday 25 min,  
Wednesday 25 min,  
Thursday 35 min,  
Friday 20 min



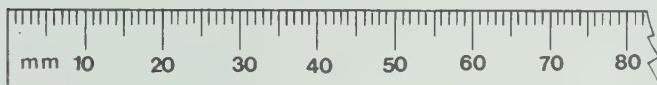
Complete.

17.  $1 \text{ L } 204 \text{ mL} = \underline{\quad} \text{ mL}$       18.  $2013 \text{ mL} = \underline{\quad} \text{ L} \underline{\quad} \text{ mL}$

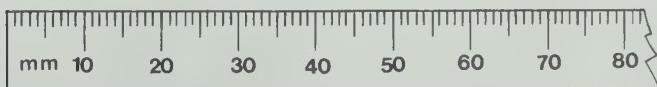
19.  $3 \text{ kg } 2 \text{ g} = \underline{\quad} \text{ g}$       20.  $6827 \text{ g} = \underline{\quad} \text{ kg} \underline{\quad} \text{ g}$

Choose the correct answer.

1. Which question would you answer using units of length?
  - (a) How long does class last?
  - (b) How thick is the magazine?
  - (c) How heavy is a butterfly?
  - (d) How much water is in a teardrop?
  
2. Which time on a 24-hour clock is equivalent to 2:20 p.m. on a 12-hour clock?  
  - (a) 02:20
  - (b) 12:20
  - (c) 14:20
  - (d) 20:20
  
3. Which is the length of the chalk?



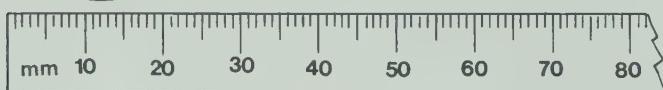
- (a) 5.5 mm
  - (b) 55 cm
  - (c) 550 mm
  - (d) 55 mm
  
4. Which time is 2 h 10 min earlier than 11:50?  
  - (a) 14:00
  - (b) 09:40
  - (c) 2:00 p.m.
  - (d) 10:00
  
5. Which do you measure to find how much milk a straw can hold?  
  - (a) length
  - (b) time
  - (c) mass
  - (d) capacity
  
6. Which is the width of the stamp?



- (a) 20 cm
  - (b) 2 mm
  - (c) 20 mm
  - (d) 200 mm
  
7. Which time is 4 h 25 min later than 8:40 a.m.?  
  - (a) 12:65 p.m.
  - (b) 12:05 p.m.
  - (c) 1:05 p.m.
  - (d) 1:05 a.m.

8. Which do you measure to find how light a paper clip is? 8. \_\_\_\_\_  
① length      ② mass      ③ capacity      ④ time
9. Which time is 3 h 40 min earlier than 1:10 p.m.? 9. \_\_\_\_\_  
① 9:30 a.m.      ② 10:30 a.m.      ③ 4:50 p.m.      ④ 9:50 a.m.

10. Which is the diameter of the quarter? 10. \_\_\_\_\_



- ① 24 mm      ② 42 mm      ③ 24 cm      ④ 2.4 mm

Which is the best estimate for each measurement?

11. the thickness of a dime

- ① 1 cm      ② 10 mm      ③ 50 mm      ④ 1 mm

12. the mass of a prune

- ① 1 kg      ② 100 g      ③ 10 g      ④ 1 g

13. the amount of water in a dishpan

- ① 5 mL      ② 5 L      ③ 50 mL      ④ 50 L

14. when school ends each day

- ① 15:30      ② 19:30      ③ 03:00      ④ 10:00

15. the mass of a paper clip

- ① 50 g      ② 1 kg      ③ 10 g      ④ 1 g

16. the length of a TV program

- ① 1 s      ② 1 min      ③ 1 d      ④ 1 h

17. the length of a guitar

- ① 100 mm      ② 100 m      ③ 1 m      ④ 50 cm

18. the mass of a loaf of bread

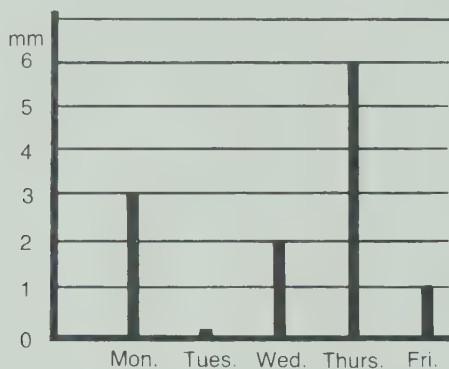
- ① 50 g      ② 500 g      ③ 5 g      ④ 5 kg

8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_  
11. \_\_\_\_\_  
12. \_\_\_\_\_  
13. \_\_\_\_\_  
14. \_\_\_\_\_  
15. \_\_\_\_\_  
16. \_\_\_\_\_  
17. \_\_\_\_\_  
18. \_\_\_\_\_

19. the amount of water a thimble will hold      19. \_\_\_\_\_  
    (a) 1 L      (b) 100 mL      (c) 1 mL      (d) 50 mL      20. \_\_\_\_\_
20. the time for supper      21. \_\_\_\_\_  
    (a) 5:30 a.m.      (b) 5:30 p.m.      (c) 9:30 p.m.      (d) 9:30 a.m.      22. \_\_\_\_\_
21. the width of your fingernail      23. \_\_\_\_\_  
    (a) 1 cm      (b) 1 mm      (c) 1 m      (d) 10 cm      24. \_\_\_\_\_
22. the capacity of a soup can      25. \_\_\_\_\_  
    (a) 500 mL      (b) 50 mL      (c) 5 mL      (d) 1 L      26. \_\_\_\_\_
23.  $1 \text{ d } 12 \text{ h} = \underline{\hspace{2cm}} \text{ h}$       27. \_\_\_\_\_  
    (a) 36      (b) 112      (c) 72      (d) 22      28. \_\_\_\_\_
24.  $3042 \text{ mL} = \underline{\hspace{1cm}} \text{ L } \underline{\hspace{1cm}} \text{ mL}$       29. \_\_\_\_\_  
    (a) 3, 42      (b) 30, 42      (c) 3, 420      (d) 304, 2      30. \_\_\_\_\_
25. The parking space is 3  $\underline{\hspace{1cm}}$  long.  
    (a) mm      (b) cm      (c) m      (d) km      31. \_\_\_\_\_
26.  $2 \text{ kg } 300 \text{ g} = \underline{\hspace{2cm}} \text{ g}$   
    (a) 20 300      (b) 2003      (c) 2300      (d) 600
27. The spoon holds about 4  $\underline{\hspace{1cm}}$  of syrup.  
    (a) km      (b) dm      (c) mL      (d) L
28.  $1 \text{ L } 50 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$   
    (a) 150      (b) 1500      (c) 1.50      (d) 1050
29.  $2053 \text{ g} = \underline{\hspace{1cm}} \text{ kg } \underline{\hspace{1cm}} \text{ g}$   
    (a) 2, 530      (b) 20, 53      (c) 205, 3      (d) 2, 53
30.  $5 \text{ L } 420 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$   
    (a) 425      (b) 5420      (c) 542      (d) 54.20
31.  $4 \text{ h } 10 \text{ min} = \underline{\hspace{2cm}} \text{ min}$   
    (a) 250      (b) 410      (c) 604      (d) 241

32.  $5 \text{ kg } 40 \text{ g} = \underline{\hspace{2cm}} \text{ g}$       32. \_\_\_\_\_  
    (a) 540      (b) 5040      (c) 5400      (d) 54
33. The mass of a tennis ball is about 45       .      33. \_\_\_\_\_  
    (a) mm      (b) g      (c) mL      (d) kg
34.       .
35.       .
36.       .

Use this graph for exercises 34 to 36.



34. How much rain fell on Monday, Tuesday, and Wednesday together?  
    (a) 12 mm      (b) 7 mm      (c) 6 mm      (d) 5 mm
35. How much more rain fell on Thursday than on Friday?  
    (a) 7 mm      (b) 5 cm      (c) 4 mm      (d) 5 mm
36. Which day had the same amount of rain as Wednesday and Friday together?  
    (a) Monday      (b) Tuesday      (c) Wednesday      (d) Thursday

Write as a decimal showing tenths.

1.  $2\frac{1}{2}$

Write as a decimal showing hundredths.

2.  $1\frac{3}{4}$

3.  $\frac{7}{10}$

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_

Write a fraction to complete each sentence. Use fourths or one-half when possible.

4.  $3.25 = \underline{\quad}$

5.  $1.9 = \underline{\quad}$

6.  $0.5 = \underline{\quad}$

Use  $<$ ,  $>$ , or  $=$  to make true statements.

7.  $\frac{10}{10} \text{ } \bigcirc \text{ } 1$

8.  $\frac{1}{2} \text{ } \bigcirc \text{ } 0.4$

9.  $\frac{7}{10} \text{ } \bigcirc \text{ } 0.75$

10.  $\frac{1}{4} \text{ } \bigcirc \text{ } \frac{3}{10}$

List in order from least to greatest.

11.  $\frac{1}{4}, \frac{1}{10}, \frac{1}{2}, \frac{3}{10}$

Add.

12.  $\frac{2}{10} + \frac{7}{10}$

13.  $3\frac{3}{4} + \frac{1}{4}$

14.  $1\frac{1}{2}$

$$\begin{array}{r} 2 \\ \hline 2 \\ 2 \end{array}$$

15.  $7\frac{1}{4}$

$$\begin{array}{r} 3 \\ \hline 4 \\ 2 \end{array}$$

Subtract.

16.  $4 - 1\frac{1}{4}$

17.  $7\frac{9}{10}$

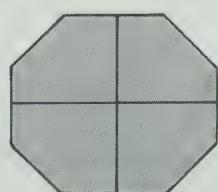
$$\begin{array}{r} 5 \\ \hline 10 \\ 3 \end{array}$$

18.  $6\frac{3}{4}$

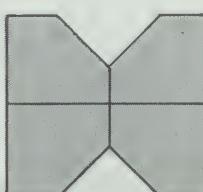
$$\begin{array}{r} 2 \\ \hline 4 \\ 3 \end{array}$$

19. If  is  $\frac{1}{4}$ , which of these shows 1?

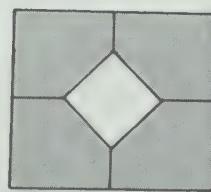
A.



B.



C.



Choose the correct answer.

1. Which is  $1\frac{1}{4}$  as a decimal?

- (a) 1.14      (b) 1.25      (c) 1.75      (d) 1.50

2.  $0.6 - \frac{3}{4}$

- (a) >      (b) <      (c) =      (d) +

3. If  is  $\frac{1}{4}$ , which picture shows 1?

- (a)      (b)      (c)      (d)



4. Which is a name for 0.7?

- (a)  $\frac{3}{4}$       (b) 7      (c)  $\frac{7}{100}$       (d)  $\frac{7}{10}$

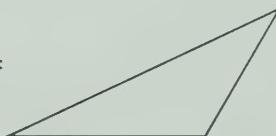
5.  $\frac{1}{4} - \frac{2}{10}$

- (a) >      (b) <      (c) =      (d) +

6. Which is  $4\frac{1}{2}$  as a decimal?

- (a) 4.2      (b) 4.12      (c) 4.05      (d) 4.5

7. If



is  $\frac{1}{2}$ , which picture shows 1?

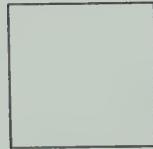
(a)



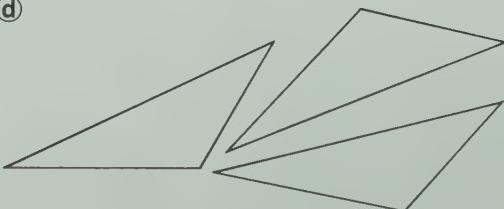
(b)



(c)



(d)



8. Which is a name for 3.25?      8. \_\_\_\_\_
- (a)  $3\frac{1}{4}$       (b)  $32\frac{5}{10}$       (c)  $3\frac{1}{2}$       (d)  $3\frac{3}{4}$       9. \_\_\_\_\_
9. Which is least?      10. \_\_\_\_\_
- (a) 0.4      (b)  $\frac{1}{2}$       (c) 0.25      (d)  $\frac{1}{10}$       11. \_\_\_\_\_
10. Which is  $5\frac{3}{4}$  as a decimal?      12. \_\_\_\_\_
- (a) 5.75      (b) 5.34      (c) 0.75      (d) 5.25      13. \_\_\_\_\_
11. Which is another name for 1?      14. \_\_\_\_\_
- (a)  $\frac{2}{4}$       (b)  $\frac{4}{4}$       (c)  $1\frac{10}{10}$       (d)  $\frac{4}{2}$       15. \_\_\_\_\_
12. Which is not a name for 0.50?      16. \_\_\_\_\_
- (a)  $\frac{1}{2}$       (b) 0.5      (c) 5 hundredths      (d)  $\frac{2}{4}$       17. \_\_\_\_\_
13. 
$$\begin{array}{r} 1 \frac{1}{10} \\ + 1 \frac{2}{10} \\ \hline \end{array}$$
      (a)  $3\frac{3}{10}$       (b)  $2\frac{3}{20}$       (c)  $2\frac{3}{10}$       (d)  $2\frac{1}{10}$       18. \_\_\_\_\_
14. 
$$\begin{array}{r} 4 \frac{6}{10} \\ - 3 \frac{4}{10} \\ \hline \end{array}$$
      (a) 8      (b)  $1\frac{2}{10}$       (c)  $\frac{2}{10}$       (d)  $1\frac{1}{2}$
15. 
$$\begin{array}{r} 4 \\ - 1 \frac{1}{2} \\ \hline \end{array}$$
      (a)  $3\frac{1}{2}$       (b)  $5\frac{1}{2}$       (c)  $1\frac{3}{4}$       (d)  $2\frac{1}{2}$
16. 
$$\begin{array}{r} 3 \frac{1}{4} \\ + \frac{3}{4} \\ \hline \end{array}$$
      (a)  $4\frac{1}{4}$       (b) 5      (c)  $2\frac{2}{4}$       (d) 4
17. 
$$\begin{array}{r} 3 \frac{1}{2} \\ + 2 \frac{1}{2} \\ \hline \end{array}$$
      (a)  $5\frac{1}{2}$       (b)  $5\frac{2}{4}$       (c) 6      (d) 7
18. 
$$\begin{array}{r} 7 \\ - 3 \frac{1}{4} \\ \hline \end{array}$$
      (a)  $4\frac{1}{4}$       (b)  $3\frac{1}{4}$       (c)  $3\frac{3}{4}$       (d)  $10\frac{1}{4}$

Choose the correct answer.

1. Which is the standard form for three hundred seventy thousand two hundred eight?

(a) 307 208      (b) 370 208      (c) 370 280      (d) 208 370

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

2. Which is a true statement?

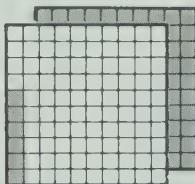
(a)  $608\ 806 > 806\ 608$       (b)  $608\ 806 < 806\ 608$

(c)  $808\ 608 > 808\ 806$       (d)  $608\ 806 < 608\ 608$

3. Which is 732 rounded to the nearest ten?

(a) 30      (b) 730      (c) 740      (d) 700

4. Which decimal is shown?



(a) 0.6      (b) 1.6      (c) 0.06      (d) 1.06

5. Which is the standard form for  $500\ 000 + 60\ 000 + 700 + 5$ ?

(a) 560 705      (b) 7655      (c) 567 500      (d) 560 750

6. Which is a true statement?

(a)  $110\ 001 > 101\ 110$       (b)  $110\ 001 < 101\ 110$

(c)  $101\ 011 > 110\ 101$       (d)  $101\ 101 < 101\ 001$

7. Which list shows the numbers in order from greatest to least?

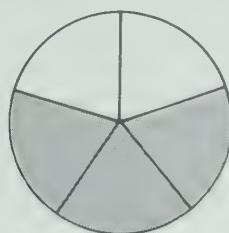
(a) 39 903  
33 093  
30 993  
39 039

(b) 39 039  
30 993  
33 093  
39 903

(c) 30 993  
33 093  
39 039  
39 903

(d) 39 903  
39 039  
33 093  
30 993

8. Which fraction shows how much is shaded?



- (a)  $\frac{2}{3}$       (b)  $\frac{2}{5}$       (c)  $\frac{3}{5}$       (d)  $\frac{3}{2}$

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

9. Which is 3548 rounded to the nearest hundred?

- (a) 3550      (b) 3500      (c) 4000      (d) 3600

10. Which is a true statement?

- (a)  $13.08 > 13.80$       (b)  $13.08 > 31.80$   
(c)  $13.8 < 13.08$       (d)  $13.08 < 13.80$

11. Which fraction shows how much is shaded?



- (a)  $\frac{6}{10}$       (b)  $\frac{4}{6}$       (c)  $\frac{6}{4}$       (d)  $\frac{4}{10}$

12. Which is the standard form for  $800\ 000 + 2000 + 500 + 9$ ?

- (a) 800 259      (b) 8259      (c) 820 590      (d) 802 509

13. Which is 8529 rounded to the nearest thousand?

- (a) 8000      (b) 8500      (c) 8530      (d) 9000

14. Which fraction shows how much is shaded?



- (a)  $\frac{1}{3}$       (b)  $\frac{1}{2}$       (c)  $\frac{2}{3}$       (d)  $\frac{2}{1}$

15. Which list shows the numbers in order from greatest to least?

(a) 30.89  
38.9  
38.09  
39.8

(b) 30.89  
38.09  
38.9  
39.8

(c) 39.8  
38.09  
38.9  
30.89

(d) 39.8  
38.9  
38.09  
30.89

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

16. 
$$\begin{array}{r} 673 \\ + 256 \\ \hline \end{array}$$
 (a) 929      (b) 417      (c) 829      (d) 939

20. \_\_\_\_\_

21. \_\_\_\_\_

17. 
$$\begin{array}{r} 882 \\ - 336 \\ \hline \end{array}$$
 (a) 1218      (b) 546      (c) 556      (d) 446

22. \_\_\_\_\_

23. \_\_\_\_\_

18.  $5 \times 7 \times 3$  (a) 35      (b) 21      (c) 15      (d) 105

24. \_\_\_\_\_

25. \_\_\_\_\_

19.  $4 \overline{) 25}$  (a) 7      (b) 6 R1      (c) 6      (d) 7 R3

26. \_\_\_\_\_

27. \_\_\_\_\_

20. 
$$\begin{array}{r} 3.49 \\ + 2.85 \\ \hline \end{array}$$
 (a) 0.64      (b) 5.24      (c) 6.24      (d) 6.34

28. \_\_\_\_\_

29. \_\_\_\_\_

21. 
$$\begin{array}{r} 3.26 \\ - 1.54 \\ \hline \end{array}$$
 (a) 1.72      (b) 4.80      (c) 2.72      (d) 2.32

22. 
$$\begin{array}{r} 4648 \\ + 2370 \\ \hline \end{array}$$
 (a) 6918      (b) 6018      (c) 7018      (d) 2278

23. 
$$\begin{array}{r} 45 \\ \times 23 \\ \hline \end{array}$$
 (a) 1035      (b) 225      (c) 135      (d) 9135

24. 
$$\begin{array}{r} 7319 \\ - 4455 \\ \hline \end{array}$$
 (a) 2864      (b) 11 774      (c) 3964      (d) 3864

25.  $8 \overline{) 936}$  (a) 117      (b) 100 R1      (c) 125 R4      (d) 7488

26. 
$$\begin{array}{r} 59.8 \\ + 32.1 \\ \hline \end{array}$$
 (a) 81.9      (b) 91.9      (c) 27.7      (d) 9.19

27. 
$$\begin{array}{r} 320.7 \\ - 41.3 \\ \hline \end{array}$$
 (a) 389.4      (b) 279.4      (c) 362.1      (d) 321.4

28. 
$$\begin{array}{r} 458 \\ 1609 \\ + 722 \\ \hline \end{array}$$
 (a) 2789      (b) 1779      (c) 2779      (d) 2167

29.  $7 \overline{) 269}$  (a) 39 R4      (b) 1883      (c) 38 R3      (d) 41

30.	$\begin{array}{r} 387 \\ \times 46 \\ \hline \end{array}$	(a) 3870      (b) 157 122      (c) 2322      (d) 17 802	30. _____
31.	$\begin{array}{r} \$8080 \\ - 99 \\ \hline \end{array}$	(a) \$8179      (b) \$7099      (c) \$7981      (d) \$8091	31. _____
32.	$\begin{array}{r} \$38.56 \\ + 6.66 \\ \hline \end{array}$	(a) \$45.22      (b) \$34.12      (c) \$31.90      (d) \$44.22	32. _____
33.	$\begin{array}{r} \$50.03 \\ - 2.64 \\ \hline \end{array}$	(a) \$58.49      (b) \$47.39      (c) \$52.67      (d) \$52.69	33. _____
34.	3000 m = _____ km	(a) 0.3000      (b) 3.000      (c) 30      (d) 300	34. _____
35.	30 L = _____ mL	(a) 0.003      (b) 0.03      (c) 3000      (d) 30 000	35. _____
36.	520 g = _____ kg	(a) 0.520      (b) 5.20      (c) 52 000      (d) 520 000	36. _____
37.	3 L 235 mL = _____ mL	(a) 3.235      (b) 3235      (c) 705      (d) 30 235	37. _____
38.	4 m = _____ cm	(a) 0.04      (b) 0.4      (c) 40      (d) 400	38. _____
39.	2 kg 8 g = _____ g	(a) 16      (b) 28      (c) 208      (d) 2008	39. _____

Which is the best estimate for each measurement?

40. the length of a bathtub  
 (a) 2 cm      (b) 1 m      (c) 2 m      (d) 1 km
41. the mass of a raisin  
 (a) 0.25 g      (b) 100 g      (c) 2 kg      (d) 0.25 kg
42. the amount of juice a jug will hold  
 (a) 1 mL      (b) 5 mL      (c) 1 L      (d) 50 L

43. Which is the area of this shape?

43. \_\_\_\_\_

44. \_\_\_\_\_

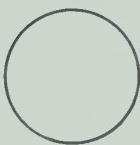
45. \_\_\_\_\_



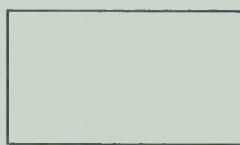
- (a)  $14 \text{ cm}^2$     (b)  $15 \text{ cm}^2$     (c)  $16 \text{ cm}^2$     (d)  $17 \text{ cm}^2$

44. Which shows a square?

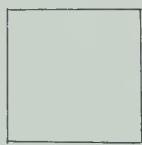
(a)



(b)



(c)



(d)



45. Which is a line of symmetry?

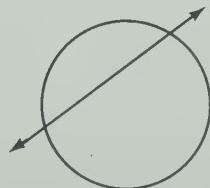
(a)



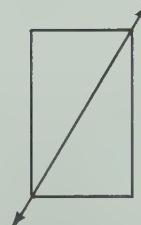
(b)



(c)

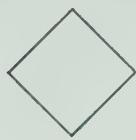


(d)

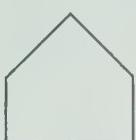


46. Which shows a hexagon?

(a)



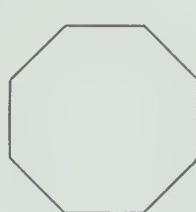
(b)



(c)



(d)

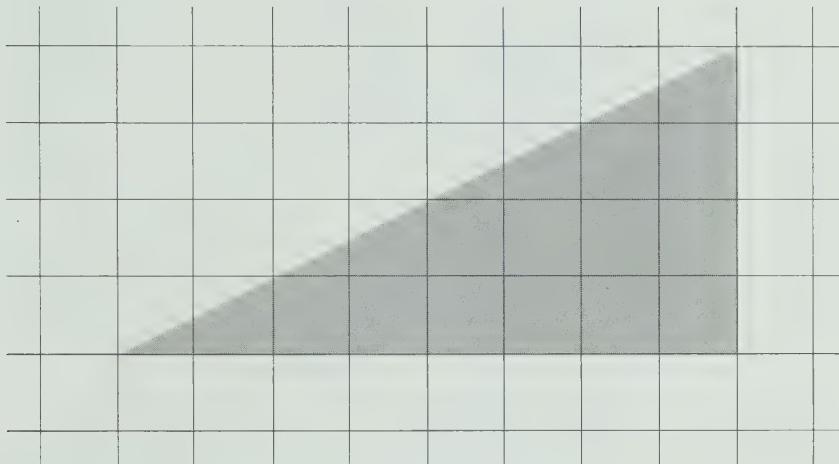


46. \_\_\_\_\_

47. \_\_\_\_\_

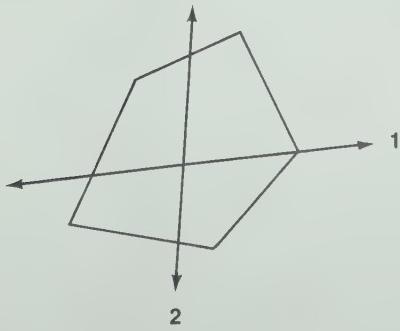
48. \_\_\_\_\_

47. Which is the area of this shape?



- (a)  $12 \text{ cm}^2$    (b)  $15 \text{ cm}^2$    (c)  $16 \text{ cm}^2$    (d)  $20 \text{ cm}^2$

48. Which is a line of symmetry?

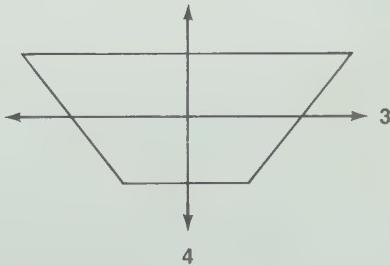


(a) 1

(b) 2

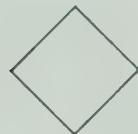
(c) 3

(d) 4



49. Which shows an octagon?

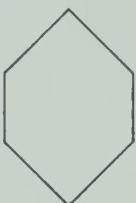
(a)



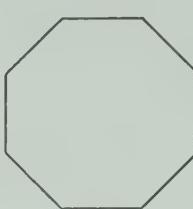
(b)



(c)



(d)

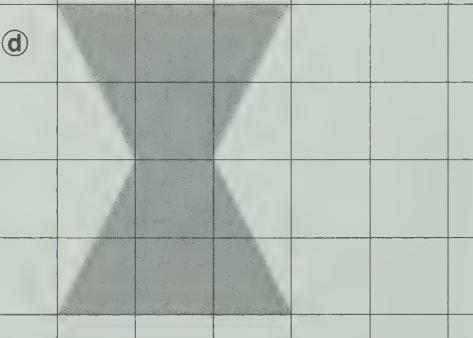
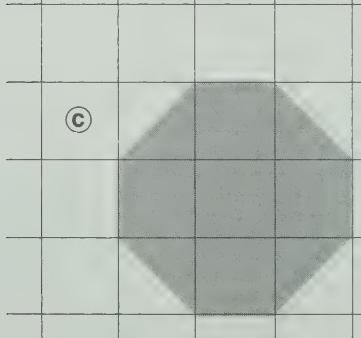
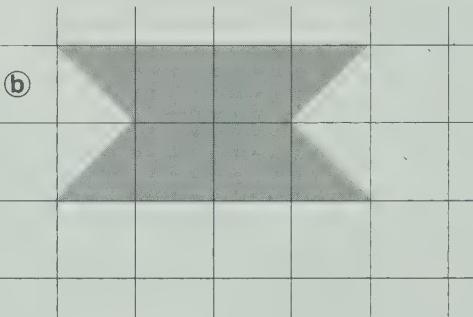


49. \_\_\_\_\_

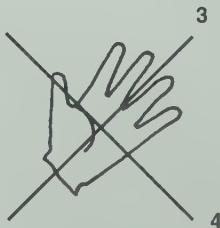
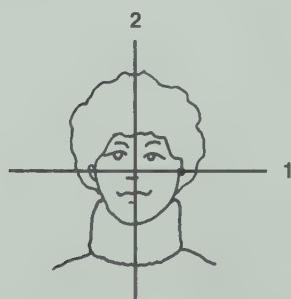
50. \_\_\_\_\_

51. \_\_\_\_\_

50. Which shape has an area of  $8 \text{ cm}^2$ ?



51. Which is a line of symmetry?



(a) 1

(b) 2

(c) 3

(d) 4

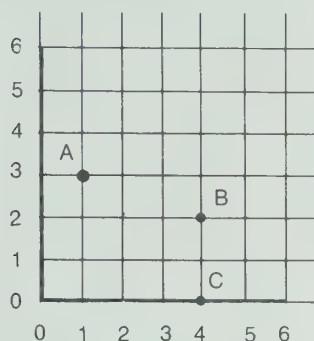
Use this grid for exercises 52 to 54.

52. \_\_\_\_\_

53. \_\_\_\_\_

54. \_\_\_\_\_

55. \_\_\_\_\_



52. Which is the ordered pair that names point A?

- (a) 3      (b) 1      (c) (1,3)      (d) (3,1)

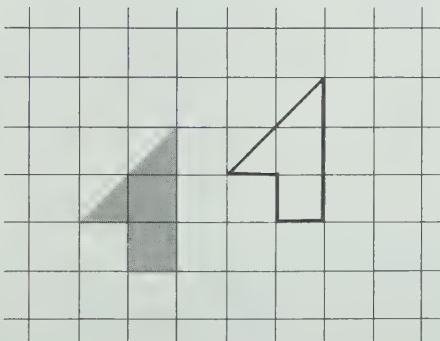
53. Which is the ordered pair that names point B?

- (a) 4      (b) 2      (c) (2,4)      (d) (4,2)

54. Which is the ordered pair that names point C?

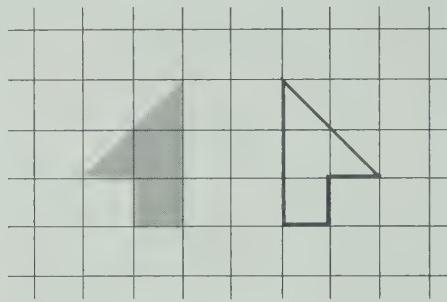
- (a) 4      (b) 0      (c) (0,4)      (d) (4,0)

55. Which do you do to make the gray shape fit the white shape?



- (a) flip      (b) slide      (c) turn      (d) slip

56.

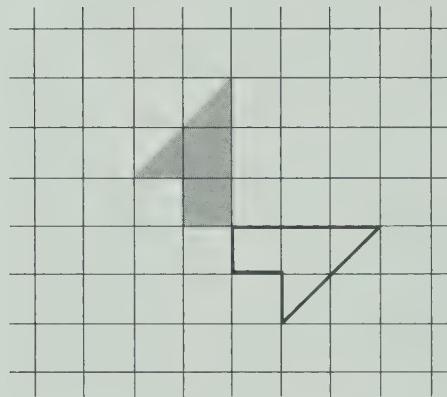


56. \_\_\_\_\_

57. \_\_\_\_\_

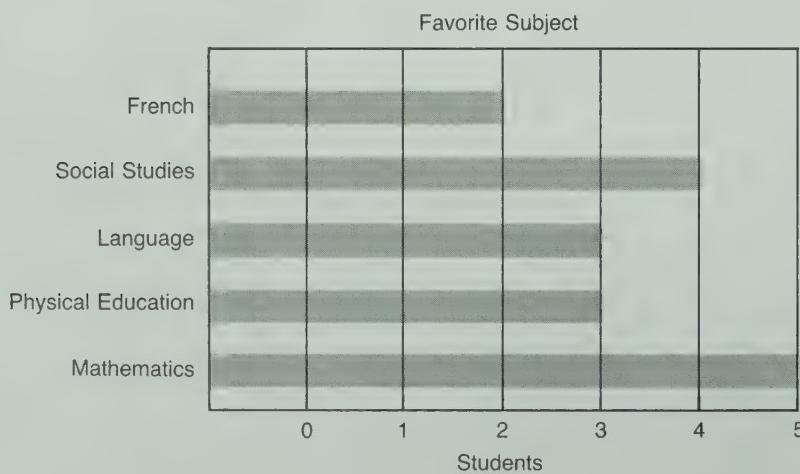
- (a) flip      (b) slide      (c) turn      (d) slip

57.



- (a) flip      (b) slide      (c) turn      (d) slip

Use this graph for exercises 58 to 60.



58. Which subject is the favorite of the most students? 58. \_\_\_\_\_  
(a) Social Studies (b) Language  
(c) Physical Education (d) Mathematics
59. Which subjects are the favorite of the same number of students? 63. \_\_\_\_\_  
(a) Social Studies and Mathematics (b) Language and Physical  
Education 64. \_\_\_\_\_  
(c) French and Language (d) none 65. \_\_\_\_\_  
66. \_\_\_\_\_
60. How many more students like Mathematics more than French?  
(a) 0 (b) 1 (c) 2 (d) 3
61. The restaurant had 279 customers on Friday night,  
312 customers on Saturday night, and 208 on Sunday night.  
How many customers were there on the three nights?  
(a) 591 (b) 487 (c) 799 (d) 520
62. The shoe store sold 1338 pairs of shoes. 475 pairs of shoes were  
running shoes. How many pairs were sold that were not running shoes?  
(a) 1813 (b) 863 (c) 983 (d) 475
63. A box of cookies contains 36 cookies. How many cookies  
are in 6 boxes?  
(a) 42 (b) 30 (c) 6 (d) 216
64. 6 cans fit into one carton. How many cartons are filled by 30 cans?  
(a) 36 (b) 24 (c) 5 (d) 180
65. Yun-Mi scored 112 points in 7 games. What was her average number of  
points for each game?  
(a) 784 (b) 16 (c) 119 (d) 105
66. It is 905 km to grandmother's house. The first day we travelled 648 km.  
How much farther do we have to go?  
(a) 257 (b) 1553 (c) 1543 (d) 367

## DATE DUE SLIP

DATE DUE SLIP

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EDUC FEB 10 '93

DUE EDUC FEB 26 '94

EDUC FEB 24 '93

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EDUC MAR 10 '93

DUE EDUC AUG 30 '95

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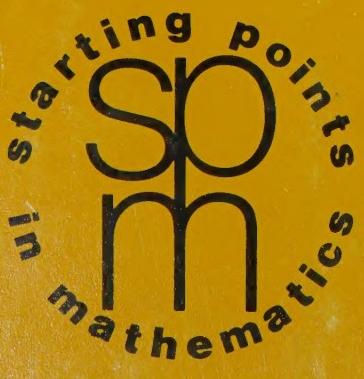
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